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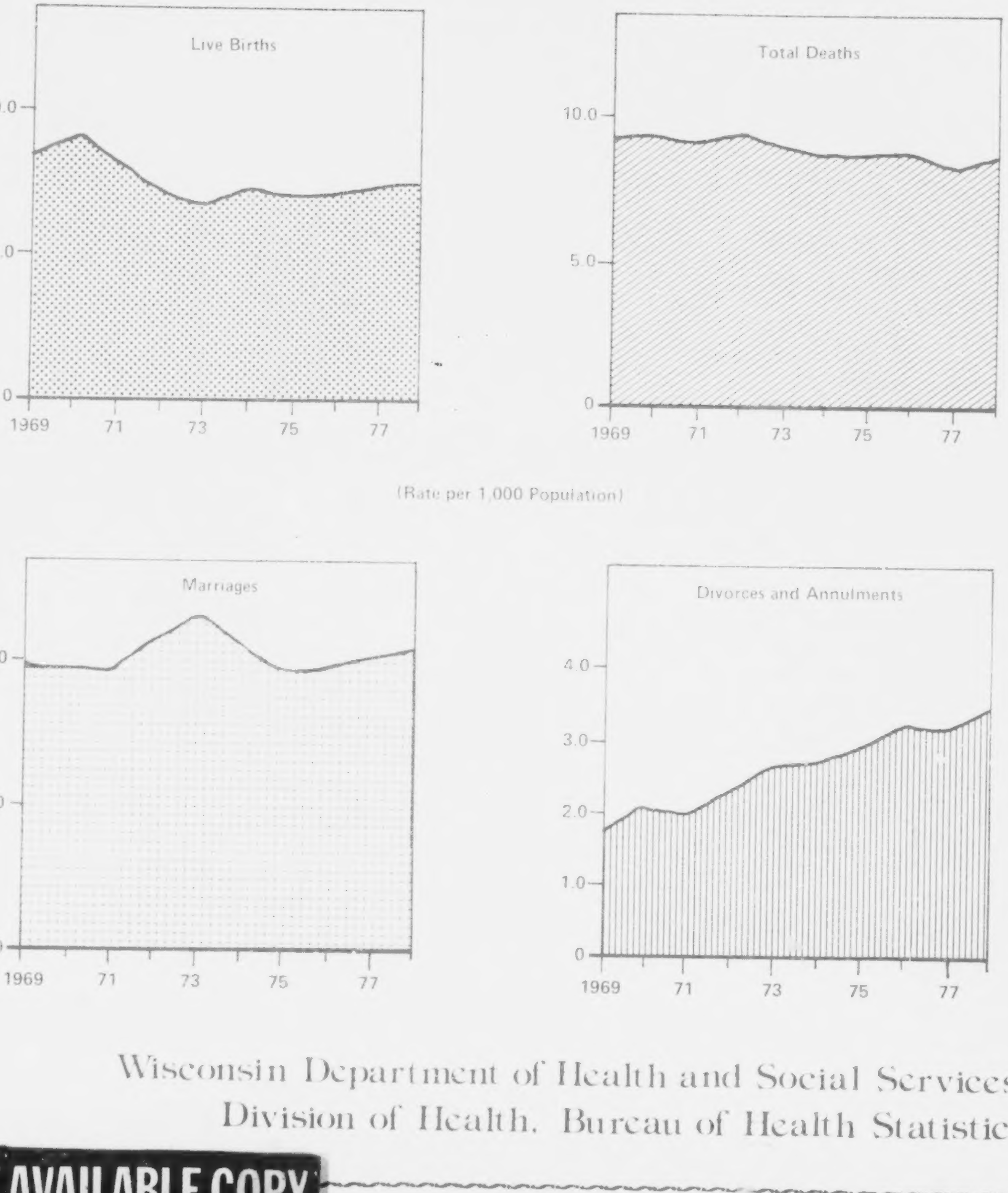
1978

Public Health Statistics



(Rate per 1,000 Population)

Wisconsin Department of Health and Social Services,
Division of Health, Bureau of Health Statistics

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THE VITAL STATISTICS REGISTRATION SYSTEM IN WISCONSIN

RECORD	PERSONS RESPONSIBLE FOR COMPLETING RECORDS	PERSONS RESPONSIBLE FOR FILING RECORD WITH LOCAL REGISTRAR	LOCAL REGISTRARS-TRANSMIT RECORDS TO STATE
Birth Certificate	Attending physician, midwife, or other medical professional. When none of these in attendance, then a parent, householder or owner of premises, manager or superintendant of a public or private institution in which birth occurred.	Attending physician or other person who prepared the record.	Register of Deeds of each county is primary registration office for villages and towns. Primary registration office for cities is the Health Officer who is authorized to appoint the county register of deeds as deputy for filing all certificates.
Report of Fetal Death	Funeral Director or any person designated by one of the parents to assume responsibility for disposition of the remains.	Funeral Director or person designated by one of the parents.	Same as above.
Death Certificate	Funeral Director for completion of personal and statistical information. Physician, Coroner or Medical Examiner for causes of death, interval between onset and death, day and hour of death, certification.	Funeral Director prior to any disposition of the body and for obtaining a burial permit.	Same as above.
	When no funeral director is employed, then the person who prepares the body for burial and conducts the funeral of any member of the immediate family.	Person designated to perform the burial and conduct the funeral.	Same as above.
Marriage Certificate	Persons applying for marriage license and the county clerk who issues the license.	Minister, priest, judge, family court commissioner, court commissioner or the 2 parties themselves, after completion of the certification and signing by 2 competent adult witnesses.	Same as above.
Certificate of Divorce	Attorney for the petitioner, family court commissioner and clerk of court.	Not filed locally. (Some clerks of court retain a photo copy for file but this is not required by statute).	Clerk of Court.

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Public
Health Statistics
1978

Published By Division of Health
Department of Health and Social Services

Address Inquiries To:
Bureau of Health Statistics
P.O. Box 309, Madison, Wisconsin 53701
Phone: (608) 266-1939

STATE OF WISCONSIN

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INTRODUCTION

The Bureau of Health Statistics of the State Division of Health is charged by law with the dual responsibility of maintaining an effective system of vital registration and of making vital statistics available to public and private agencies and to the public at large. Within the Division of Health these statistics are necessary for evaluating and developing programs that will improve the health of the people of Wisconsin. The data are also widely used for estimating population characteristics and changes.

Each county is a primary registration district for vital events for the rural areas, villages and towns. The Register of Deeds' office is, according to the Statutes, the place for filing of birth, death and marriage records from these areas. In addition, cities, as defined by Wisconsin Statutes, may also serve as primary registration districts with the local health officer serving as the local registrar. Cities have the option of turning the function over to the county register of deeds. Copies of the original records are maintained in the local offices and the original record is forwarded to the State Section of Vital Statistics.

Legal responsibility for preparation and filing birth records is that of the attending physician or other person in attendance. Because nearly all births occur in hospitals, most of the information obtained on the birth certificate is recorded by hospital personnel.

The funeral director has legal responsibility for obtaining information on death certificates and for filing the records with the local registrar. The funeral director also completes fetal death reports. The physician in attendance, coroner or medical examiner is responsible for certifying the cause of death and medical information on the certificate.

Applications for a marriage licenses are made in the office of the county clerk. The marriage certificate is completed by the officiant - civil or religious - who has the responsibility of forwarding the original certificate to the local registrar.

Locally the divorce certificate is the responsibility of the clerk of court where the divorce decree is granted. The county clerk of court retains the records of the court, has the necessary information transcribed to the divorce certificate and forwards it to the Section of Vital Statistics.

The Section of Vital Statistics maintains a permanent respository for original records of birth, death, marriage and transcripts of divorce. The statistics in this volume include vital records for the year 1978 that were filed in the Section of Vital Statistics before March 31, 1979. In addition to vital events occurring in Wisconsin, the Section files transcripts of birth certificates for children born outside of Wisconsin to a mother who is a resident of the state. Death certificates for persons who are residents but die outside of the boundaries of Wisconsin are also included.

Wisconsin began using Automated Classification of Medical Entities (ACME) in 1972. Multiple cause mortality statistics have considerable potential for research and health program evaluation. The computerized system permits extensive cross tabulation by both underlying cause and specific associated causes (see Table 31A, pages 80-81).

TECHNICAL NOTES

Definitions

Residence	Usual place of residence of person to whom event occurred. For births and fetal deaths, residence is defined as the mother's place of residence.
Occurrence	Place where the event occurred.
Minor Civil Division	In Wisconsin, Minor Civil Divisions are the local level of civil government. Cities, villages and towns both exhaust the area (there are no unorganized residual areas) and are exclusive (none overlaps another though may surround another).
Race	Race for mother, father, or decedent is as stated on certificate. Race of child is determined from the race of the parents.
Deliveries	Live births plus reported fetal deaths
Live Birth	A live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Fetal Death	Death prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only fetal deaths of at least 20 weeks of gestation must be reported in Wisconsin. A fetal death report is NOT to be used for induced abortions.
Infant Death	Death occurring to live born individual of less than 1 year of age.
Neonatal Death	Live born infant who dies before completing four weeks (28 days) of life.
Out-of-Wedlock Birth	Birth wherein there is no marital tie between mother and father.
Birthweight	Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces or in grams).
Premature Births	Products of conception weighing less than five pounds, nine ounces (2,500 grams or less) at delivery or expulsion.
Maternal Deaths	Those wherein the physician has designated a maternal condition as the underlying cause of death.
Underlying Cause of Death	That condition giving rise to the chain of morbid events leading to death, or the circumstances of the accident or violence that produced the fatal injury.
Associated Cause of Death	Condition other than the underlying cause of death which may have contributed to the death.

Rates

$$\text{Birth Rate} = \frac{\text{No. of Resident Live Births}}{\text{Total Resident Population}} \times 1{,}000$$

$$\text{Age-Specific Fertility Rate} = \frac{\text{No. of Resident Live Births for a Specific Age of Mother}}{\text{Total Female Population of Specific Age}} \times 1{,}000$$

$$\text{Death Rate} = \frac{\text{No. of Resident Deaths}}{\text{Total Resident Population}} \times 1{,}000$$

$$\text{Fetal Death Rate} = \frac{\text{No. of Resident Fetal Deaths}}{\text{Total Resident Live Births and Resident Fetal Deaths}} \times 1{,}000$$

$$\text{Infant Death Rate} = \frac{\text{No. of Infant Deaths}}{\text{Total Resident Live Births}} \times 1{,}000$$

$$\text{Neonatal Death Rate} = \frac{\text{No. of Neonatal Deaths}}{\text{Total Resident Live Births}} \times 1{,}000$$

$$\text{Out-of-Wedlock Ratio} = \frac{\text{No. of Out-of-Wedlock Births (Resident)}}{\text{Total Resident Live Births}} \times 1{,}000$$

$$\text{Maternal Death Rate} = \frac{\text{No. of Maternal Deaths}}{\text{Total Resident Live Births}} \times 100{,}000$$

$$\text{Age-Specific Death Rate} = \frac{\text{No. of Deaths in Specific Age Group}}{\text{Total Resident Population in Specific Age Group}} \times 100{,}000$$

$$\text{Cause-Specific Death Rate} = \frac{\text{No. of Deaths from Specific Cause}}{\text{Total Resident Population}} \times 100{,}000$$

$$\text{Communicable Disease Case Rate} = \frac{\text{No. of Reported Cases (Specific Communicable Disease)}}{\text{Total Resident Population}} \times 100{,}000$$

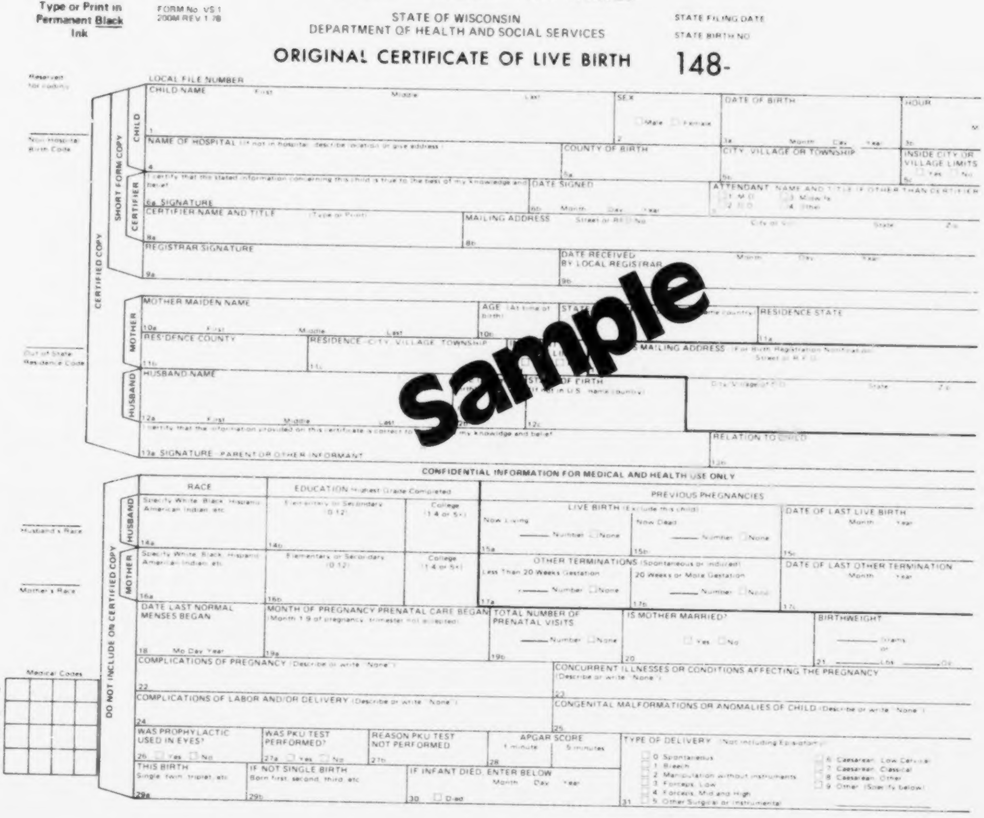
$$\text{Marriage Rate} = \frac{\text{No. of Marriages Performed}}{\text{Total Resident Population}} \times 1{,}000$$

$$\text{Divorce Rate} = \frac{\text{No. of Divorces and Annulments Granted}}{\text{Total Resident Population}} \times 1{,}000$$

Population Denominators = Mid-calendar year estimates

Event Denominators = Are registered totals for the calendar year

BIRTH AND DEATH CERTIFICATES



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FORM No. VS-1
200M REV. 1-78

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES

STATE FILING DATE
STATE BIRTH NO.

ORIGINAL CERTIFICATE OF LIVE BIRTH

148-

Reserved for coding
Non-Hospital Birth Code
Out of State Residence Code
Husband's Race
Mother's Race
Medical Codes: 22, 23, 24, 25

CERTIFIED COPY — SHORT FORM COPY

LOCAL FILE NUMBER

CHILD
1. CHILD NAME — First, Middle, Last
2. SEX ☐ Male ☐ Female
3a. DATE OF BIRTH — Month, Day, Year
3b. HOUR — M
4. NAME OF HOSPITAL (If not in hospital, describe location or give address)
5a. COUNTY OF BIRTH
5b. CITY, VILLAGE OR TOWNSHIP
5c. INSIDE CITY OR VILLAGE LIMITS ☐ Yes ☐ No

CERTIFIER
6a. I certify that the stated information concerning this child is true to the best of my knowledge and belief. SIGNATURE
6b. DATE SIGNED — Month, Day, Year
7. ATTENDANT, NAME AND TITLE IF OTHER THAN CERTIFIER ☐ 1 M.D. ☐ 2 D.O. ☐ 3 Midwife ☐ 4 Other
8a. CERTIFIER NAME AND TITLE (Type or Print)
8b. MAILING ADDRESS — Street or RFD No., City or Village, State, Zip
9a. REGISTRAR SIGNATURE
9b. DATE RECEIVED BY LOCAL REGISTRAR — Month, Day, Year

MOTHER
10a. MOTHER MAIDEN NAME — First, Middle, Last
10b. AGE (At time of birth)
STATE … name country)
11a. RESIDENCE STATE
11b. RESIDENCE COUNTY
11c. RESIDENCE — CITY, VILLAGE, TOWNSHIP
… MAILING ADDRESS (For Birth Registration Notification) — Street or R.F.D., City, Village or P.O., State, Zip

HUSBAND
12a. HUSBAND NAME — First, Middle, Last
12c. STATE OF BIRTH (If not in U.S., name country)
13a. I certify that the information provided on this certificate is correct to … my knowledge and belief. SIGNATURE — PARENT OR OTHER INFORMANT
13b. RELATION TO CHILD

DO NOT INCLUDE ON CERTIFIED COPY

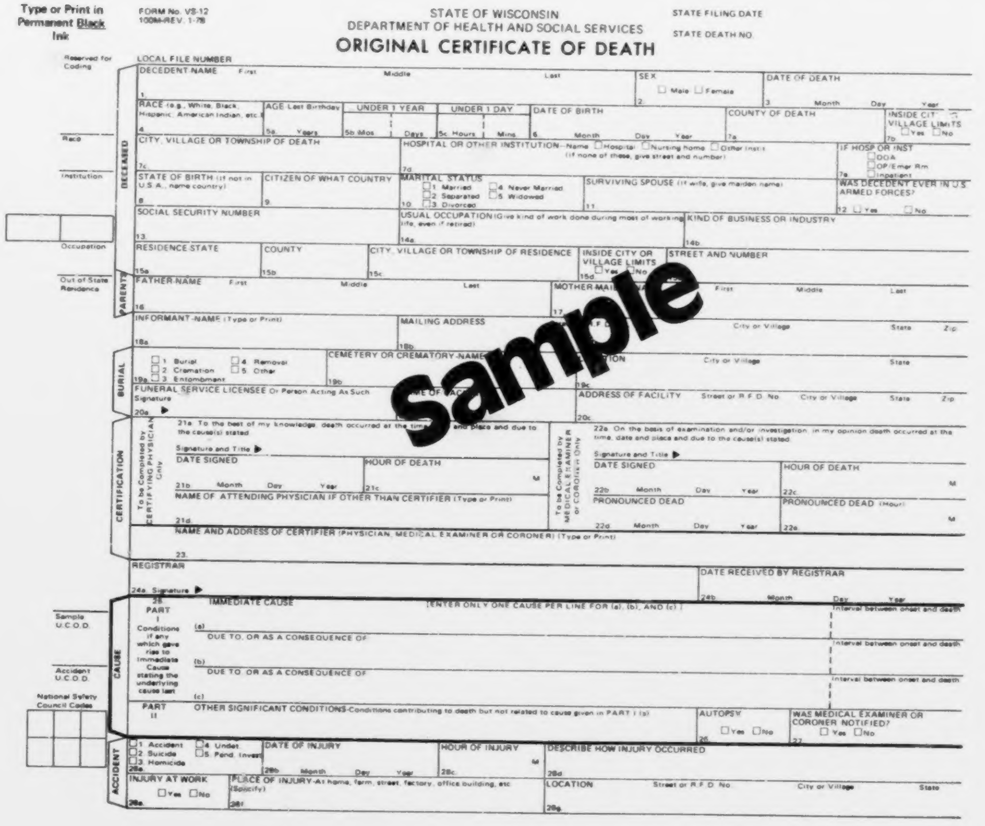
CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

	RACE	EDUCATION Highest Grade Completed	
		Elementary or Secondary (0-12)	College (1-4 or 5+)
HUSBAND	14a. Specify White, Black, Hispanic, American Indian, etc.	14b.	
MOTHER	16a. Specify White, Black, Hispanic, American Indian, etc.	16b.	

PREVIOUS PREGNANCIES
LIVE BIRTH (Exclude this child)
15a. Now Living ____ Number ☐ None
15b. Now Dead ____ Number ☐ None
15c. DATE OF LAST LIVE BIRTH — Month, Year
OTHER TERMINATIONS (Spontaneous or induced)
17a. Less Than 20 Weeks Gestation ____ Number ☐ None
17b. 20 Weeks or More Gestation ____ Number ☐ None
17c. DATE OF LAST OTHER TERMINATION — Month, Year

18. DATE LAST NORMAL MENSES BEGAN — Mo. Day Year
19a. MONTH OF PREGNANCY PRENATAL CARE BEGAN (Month 1-9 of pregnancy, trimester not accepted)
19b. TOTAL NUMBER OF PRENATAL VISITS ____ Number ☐ None
20. IS MOTHER MARRIED? ☐ Yes ☐ No
21. BIRTHWEIGHT ____ Grams or ____ Lbs. ____ Oz.
22. COMPLICATIONS OF PREGNANCY (Describe or write "None")
23. CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "None")
24. COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "None")
25. CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or write "None")
26. WAS PROPHYLACTIC USED IN EYES? ☐ Yes ☐ No
27a. WAS PKU TEST PERFORMED? ☐ Yes ☐ No
27b. REASON PKU TEST NOT PERFORMED
28. APGAR SCORE — 1 minute, 5 minutes
29a. THIS BIRTH — Single, twin, triplet, etc.
29b. IF NOT SINGLE BIRTH — Born first, second, third, etc.
30. IF INFANT DIED, ENTER BELOW — Month, Day, Year ☐ Died
31. TYPE OF DELIVERY (Not including Episiotomy)
☐ 0 Spontaneous
☐ 1 Breech
☐ 2 Manipulation without instruments
☐ 3 Forceps, Low
☐ 4 Forceps, Mid and High
☐ 5 Other Surgical or Instrumental
☐ 6 Caesarean, Low Cervical
☐ 7 Caesarean, Classical
☐ 8 Caesarean, Other
☐ 9 Other (Specify below)

Sample



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FORM No. VS-12
100M-REV. 1-78

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES

STATE FILING DATE
STATE DEATH NO.

ORIGINAL CERTIFICATE OF DEATH

Reserved for Coding
Race
Institution
Occupation
Out of State Residence
Sample U.C.O.D.
Accident U.C.O.D.
National Safety Council Codes

LOCAL FILE NUMBER

DECEASED
1. DECEDENT NAME — First, Middle, Last
2. SEX ☐ Male ☐ Female
3. DATE OF DEATH — Month, Day, Year
4. RACE (e.g., White, Black, Hispanic, American Indian, etc.)
5a. AGE Last Birthday — Years
5b. UNDER 1 YEAR — Mos., Days
5c. UNDER 1 DAY — Hours, Mins.
6. DATE OF BIRTH — Month, Day, Year
7a. COUNTY OF DEATH
7b. INSIDE CITY OR VILLAGE LIMITS ☐ Yes ☐ No
7c. CITY, VILLAGE OR TOWNSHIP OF DEATH
7d. HOSPITAL OR OTHER INSTITUTION — Name ☐ Hospital ☐ Nursing home ☐ Other instit. (If none of these, give street and number)
7e. IF HOSP OR INST ☐ DOA ☐ OP/Emer Rm ☐ Inpatient
8. STATE OF BIRTH (If not in U.S.A., name country)
9. CITIZEN OF WHAT COUNTRY
10. MARITAL STATUS ☐ 1 Married ☐ 2 Separated ☐ 3 Divorced ☐ 4 Never Married ☐ 5 Widowed
11. SURVIVING SPOUSE (If wife, give maiden name)
12. WAS DECEDENT EVER IN U.S. ARMED FORCES? ☐ Yes ☐ No
13. SOCIAL SECURITY NUMBER
14a. USUAL OCCUPATION (Give kind of work done during most of working life, even if retired)
14b. KIND OF BUSINESS OR INDUSTRY
15a. RESIDENCE STATE
15b. COUNTY
15c. CITY, VILLAGE OR TOWNSHIP OF RESIDENCE
15d. INSIDE CITY OR VILLAGE LIMITS ☐ Yes ☐ No
STREET AND NUMBER

PARENTS
16. FATHER NAME — First, Middle, Last
17. MOTHER MAI… — First, Middle, Last
18a. INFORMANT — NAME (Type or Print)
18b. MAILING ADDRESS — … R.F.D. …, City or Village, State, Zip

BURIAL
19a. ☐ 1 Burial ☐ 2 Cremation ☐ 3 Entombment ☐ 4 Removal ☐ 5 Other
19b. CEMETERY OR CREMATORY — NAME
19c. …TION — City or Village, State
20a. FUNERAL SERVICE LICENSEE Or Person Acting As Such — Signature ▶
…ME OF FAC…
20c. ADDRESS OF FACILITY — Street or R.F.D. No., City or Village, State, Zip

CERTIFICATION
To be Completed by CERTIFYING PHYSICIAN Only
21a. To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated. Signature and Title ▶
21b. DATE SIGNED — Month, Day, Year
21c. HOUR OF DEATH — M
21d. NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)

To be Completed by MEDICAL EXAMINER or CORONER Only
22a. On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated. Signature and Title ▶
22b. DATE SIGNED — Month, Day, Year
22c. HOUR OF DEATH — M
22d. PRONOUNCED DEAD — Month, Day, Year
22e. PRONOUNCED DEAD (Hour) — M

23. NAME AND ADDRESS OF CERTIFIER (PHYSICIAN, MEDICAL EXAMINER OR CORONER) (Type or Print)

REGISTRAR
24a. Signature ▶
24b. DATE RECEIVED BY REGISTRAR — Month, Day, Year

CAUSE
25. PART I — IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).)
Conditions, if any, which gave rise to Immediate Cause, stating the underlying cause last
(a) — Interval between onset and death
DUE TO, OR AS A CONSEQUENCE OF
(b) — Interval between onset and death
DUE TO, OR AS A CONSEQUENCE OF
(c) — Interval between onset and death
PART II — OTHER SIGNIFICANT CONDITIONS — Conditions contributing to death but not related to cause given in PART I (a)
26. AUTOPSY ☐ Yes ☐ No
27. WAS MEDICAL EXAMINER OR CORONER NOTIFIED? ☐ Yes ☐ No

ACCIDENT
28a. ☐ 1 Accident ☐ 2 Suicide ☐ 3 Homicide ☐ 4 Undet. ☐ 5 Pend. Invest.
28b. DATE OF INJURY — Month, Day, Year
28c. HOUR OF INJURY — M
28d. DESCRIBE HOW INJURY OCCURRED
28e. INJURY AT WORK ☐ Yes ☐ No
28f. PLACE OF INJURY — At home, farm, street, factory, office building, etc. (Specify)
28g. LOCATION — Street or R.F.D. No., City or Village, State

Sample

Qualifications and Limitations of Data and Calculations

Completeness of Registration

The Bureau of Census assisted in a test of completeness of registration of births in connection with the 1950 census. Registration completeness was 99.6 percent of all births. It is assumed that this relatively complete registration has continued since that time.

Although no test of death registration has been completed, it is assumed that death registration is reasonably complete since burial permit laws and regulations require the filing of a death certificate before a burial permit for the disposition of a body is issued.

Fetal death reporting requires reports for all fetuses of 20 weeks gestation and over. No test for completeness of registration has been done. It is recognized, however, that fetal deaths are likely to be less well reported than other vital events.

Infant Death Data

Notification of infant death is obtained from the regular death certificate. However, much information relevant to the circumstance of infant death is found on the birth certificate. Birth and death records have, therefore, been matched to produce a composite infant death tape, which is the source of Tables 22, 23a and 25. Infant death data for tables 11, 12, 13 and 24 are created from the general death file. Table 10 is derived from both sources, as noted on the table. Discrepancies between these two sources are minimal, however, usually involving fewer than ten deaths.

Geographic Classification

In most tables, geographical classifications are limited to county breakdowns. The term "urban" used in some summary tables refers to the sum of those incorporated places having a population of 2,500 or more in the 1970 census. It should be particularly noted that this does not correspond to the official Census Bureau usage since it excludes those portions of urbanized areas that are unincorporated and/or under 2,500 population. Similarly "balance of county" should not be construed as "rural". Tables 23 and 23a lists cities, towns, and villages of 2,500 or more population. All others are summed in balance of county.

Events are assigned to geographical areas according either to place of residence or to place of occurrence. The basis for classification is identified in each table and should be carefully observed when extracting information.

- "Resident Data" means events have been assigned to the area where the person lives (usually legal residence) regardless of where they occurred. In the case of infant deaths and births, the reference is to the residence of the mother. It should be noted that in the case of infant deaths, the place of residence at death may differ from the place of residence at birth; when special tabulations are prepared from both birth and death certificates, it is important to note to which residence category they were assigned. The published tables referred to above under "Infant Death Data" are all based on residence at death.

- "Occurrence Data" means tabulation according to where the events took place, regardless of the usual residence of the person. Since nearly all births and most deaths take place in hospitals, the number which occur in the six counties without hospitals is small. Likewise, the number of occurrences in counties with many hospitals will be large for this reason alone. The six Wisconsin counties in which no hospital is located are:

Florence
Forest
Iron
Marquette
Menominee
Pierce

Comparability in Cause-of-Death Statistics

There are two major limitations in interpreting changes in cause-of-death statistics. Changes in diagnostic practice may affect the comparability of such statistics over time, as do changes in nomenclature and in the classification scheme. The International Classification of Diseases is revised approximately every ten years to incorporate advances in medical science and to reflect changing medical opinion and practice. In Wisconsin, the Sixth Revision was used from 1949-1957, the Seventh Revision from 1958-1967, the Eighth Revision from 1968-1978.

Mortality statistics in this report are thus based on the Eighth Revision, (Adapted for use in the United States--ICDA 8). These data represent the underlying cause of death as determined by the medical certifier, i.e., the attending physician or coroner. The underlying cause is defined as "the disease or injury which initiated the train of morbid events, leading directly to death" (ICDA, Eighth Revision, 1968, vol. 1, page xxix). Prior to 1973, when two or more causes were jointly recorded, the coder in the Bureau of Health Statistics selected the underlying cause using the ancillary information provided on the death certificate by the physician. Beginning in 1973, however, all causes mentioned on the certificate are coded, and the underlying cause is determined using computer procedures.

The introduction of the concept of "underlying" cause in 1949 with the Sixth Revision resulted in a basic change in the classification of death that would seriously affect the interpretation of mortality trends before and after 1949. Under the first five revisions of the International Classification, prior to 1949, causes of death were coded on the basis of priority tables for multiple causes, as set forth in The Manual for Joint Causes of Death. Comparability ratios based on the Fifth and Sixth Revisions were published by the National Center for Health Statistics, (Vital Statistics-Special Reports, Vol. 51, No. 3). The Seventh Revision was essentially a clarification of the Sixth Revision.

The Eighth Revision introduced some major modifications in classification lists and coding procedures that created a need for comparability ratios for some causes of death when comparisons are made before and after 1968. A study of this problem at the National Center for Health Statistics reveals many small discontinuities and several serious interpretation problems. 1)

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1). A. Joan Klebba, Comparability of Mortality Statistics for the Seventh and Eighth Revisions of the International Classification of Diseases, United States--DHEW Publication No. (HRA) 76-1340.

- The totals for Diseases of the Heart were relatively unaffected by the introduction of the Eighth Revision although substantial changes, that compensate for each other, occurred in the subdivisions of the category. For example, hypertensive heart disease showed a substantial decrease, while other diseases of arteries showed a substantial increase under the new system.

- Cerebrovascular Disease did not change significantly under the Eighth Revision. However, it was formerly called Vascular Lesions Affecting the Central Nervous System and was listed under Diseases of the Nervous and Sense Organs rather than under Diseases of the Circulatory System.

- A new category of violent death, Injuries Undetermined Whether Accidentally or Purposely Inflicted, was introduced under the Eighth Revision. This category includes some deaths that were formerly attributed to accidental causes.

- Infant Mortality underwent substantial change between subdivisions of the category. These changes appear to compensate for each other without causing significant changes in Infant Mortality as a general category. Birth Injury was substantially reduced, whereas Other Diseases of Early Infancy showed a large increase with the introduction of the Eighth Revision.

- In Wisconsin an earlier change in the practice of coding Birth Injuries and Immaturity was put into effect in 1959. Previously, the cause of death was determined by reviewing the birth and death certificates combined. Since 1959, the cause of infant death has been determined from the death certificate alone.

Small Frequencies

The numbers of births or deaths reported for a community represent complete counts of these events. As such, they are not subject to sampling error or variation, although they are subject to errors in the collection and processing procedures. However, when the figures are used for comparison of frequencies and rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances. The probable range of values may be estimated from the actual figures according to certain statistical assumptions (Vital Statistics for the U.S., Vol. 1, 1959, p. 1-20). Frequencies of and rates based on fewer than 20 deaths are therefore omitted from this report because they are subject to large random fluctuations. The number "20" is arbitrary, however, and is not set forth as a critical point distinguishing statistically reliable rates.

Rates

In interpreting the conditions described by vital statistics rates, considerable caution must be observed. In particular, differences in rates from time to time or place to place may arise from a number of population differences and other compounding factors, and appropriate techniques (e.g. standardization) should be utilized in such comparisons.

Population

POPULATION

The indispensable context for the analysis and interpretation of events is the population to whom the events are happening. Wisconsin's 1840 Census found less than 31,000 people. Twenty years later there were 776,000. From 1860 until the end of the century the ten-year growth rate varied from 36% in the 1860's to 22% in the 1890's as Wisconsin attained its second million just before the century turned. The growth each decade in our century has varied from 7% in the 1930's to 15% in the 1950's, these extremes being accounted for by very low and very high fertility. (Recent growth is displayed in detail in Table 2). The Final Report of the April 1, 1970 Census indicates that the 1960 to 1970 growth was about 12% for the state. Estimates of the population on July 1, 1978 (see Tables 1 through 6) indicate a continued rate of growth of about 0.7% per year since the 1970 Census.

The most important population variables for vital statistics are age, sex, race, and geographic distribution. The age and sex distribution history of Wisconsin is summarized in Figure 2. The reduced fertility of the 1930's creates the narrow base of the 1940 pyramid. This becomes the "waist" in the 1960 pyramid. Figures 1 and 1a relate age to dependency in 1960 to 1970, and 1970 to 1978. Note that between 1960 and 1970 the ages that gained most were the ten to twenty-five year olds and those over age seventy-five. Between 1970 and 1978 the growth cohorts have been the 20 to 35 year olds (the baby boom is getting older) and the advanced aged 85+ (reduced mortality rates). The shrinking cohorts are 40-44 (depression) and the under 15 (birth dearth), The sex ratio (males per hundred females) shows a substantial shift toward female dominance. About 105 males are born for each 100 females. Higher mortality rates for males at all ages gradually whittle this advantage away and at older ages there are many more women than men (at age 85 and older more than twice as many). But in Wisconsin we have had substantial foreign-born population that was predominately male. As this population ages into high mortality rates, the immigration advantage of males declines. As late as 1930 there were 106 males per 100 females in the total population. From that point the ratio has declined to 104 in 1940, 101 in 1950, 99 in 1960 and 96 in 1970. The decline is likely to continue.

The racial distribution of Wisconsin's population remains predominantly white, 96.4% in 1970. (Because of small numbers and the paucity of data no postcensal estimates by race are included here). The non-white population component is changing in noteworthy ways. Blacks numbered 2,500 in 1900, only 23% of the total non-white population. Growth until 1940 was modest, reaching only 12,200 in 1940. In the 1940's 16,000 were added, in the 1950's 46,000 and in the 1960's 54,000 for a 1970 total of 128,000. Blacks in 1970 represented 80% of Wisconsin non-whites (compared to 90% for U.S. total). As is true all over the U.S. (except in the rural South) blacks are predominantly urban in Wisconsin (98%). American Indians are a larger part of Wisconsin's population than of all states east of the Mississippi except North Carolina. The increase of 32% during the 1960's represents an extremely high rate of natural increase (the excess of live births over deaths). Three of every five Wisconsin Indians live in a rural setting, but a significant number now have adopted urban residence (Milwaukee County has more Indians than any other county). Non-white other than Blacks and Indians are primarily Japanese, Chinese, and Filipino. Their numbers, though small, increased spectacularly during the 1960's from four thousand to nearly twelve thousand. More than half live in the central cities of metropolitan areas.

The changing size of various age segments is striking and has significant implications. The number of preschool children declined substantially between 1960 and 1970, from 470,000 to 382,000, a 19% drop. The 382,000 is nevertheless a large number, higher than any prior census of preschoolers except 1960. The population of school age (5 through 19) has grown enormously in the last two decades, from about 800,000 in both 1940 and 1950 to nearly 1,400,000 in 1970. The entering cohorts of five year olds are now smaller than the departing cohorts so the school age population will decline for at least a few years. Its size after that will be determined by fertility.

For some insight on fertility we turn to the population of women of childbearing age. Between 1940 and 1960 little change took place. Women 15 through 44 numbered 721,000 in 1940, 734,000 in 1950, and 748,000 in 1960. But during the middle 1960's the girl babies of the postwar baby boom began to reach childbearing age and the 1970 population jumped to nearly 900,000. The increase was at the younger ages, the under thirty group was 157,000 larger in 1970, the over thirty group actually 19,000 smaller than in 1960. This portends great fertility potential unless the rates at which the women bear children continue to decline substantially (see section on Natality).

The aged population increased by 70,000 during the 1960's, a smaller increase than Wisconsin experienced in the 1950's. The proportion of the population 65 and older are of the total population increased only from 10.2 to 10.7%. Within this larger group the differences by age reveal some changes. While the population 65 through 69 has increased slowly (28% 1950 to 1970), those 70 through 74 increased nearly 50% and those 75 and older increased 85% in twenty years. Two factors are probably at work, the differential size of the birth cohorts which are moving into these ages, and more favorable mortality for the aged. Since 1970 the proportion the 65+ to the total population has increased to 11.6%.

The 1978 age-sex population estimates (tables 3 and 4) reveal in general a continuation of the trends evident in the 1960's. The smaller birth cohorts of the mid to late sixties have now entered the 5-9 age group. The children and young adults born in the postwar baby boom, as they age to maturity, have greatly enlarged the 15-29 age group, an increase of 81% since 1960. This increase, currently about 10,000 per year, will reverse after 1980.

Figure 1

PERCENT CHANGE IN
WISCONSIN'S POPULATION
BY AGE, 1960-1970

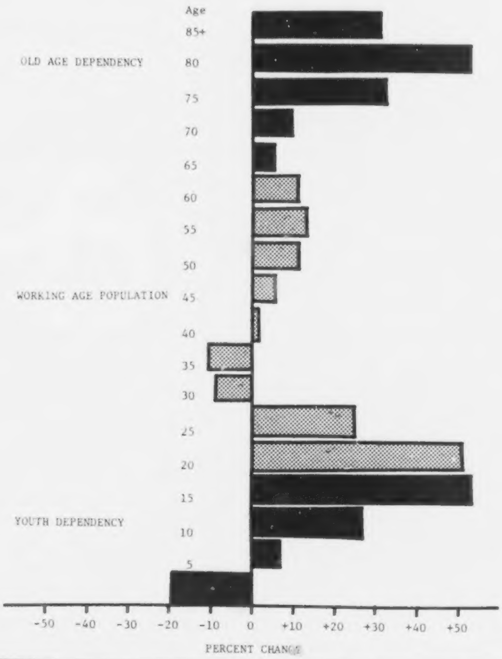


Figure 1a

PERCENT CHANGE IN
WISCONSIN'S POPULATION
BY AGE, 1970-1978

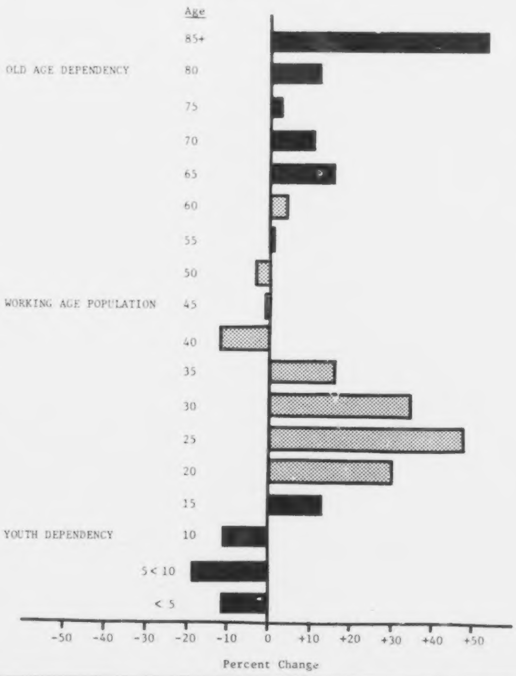
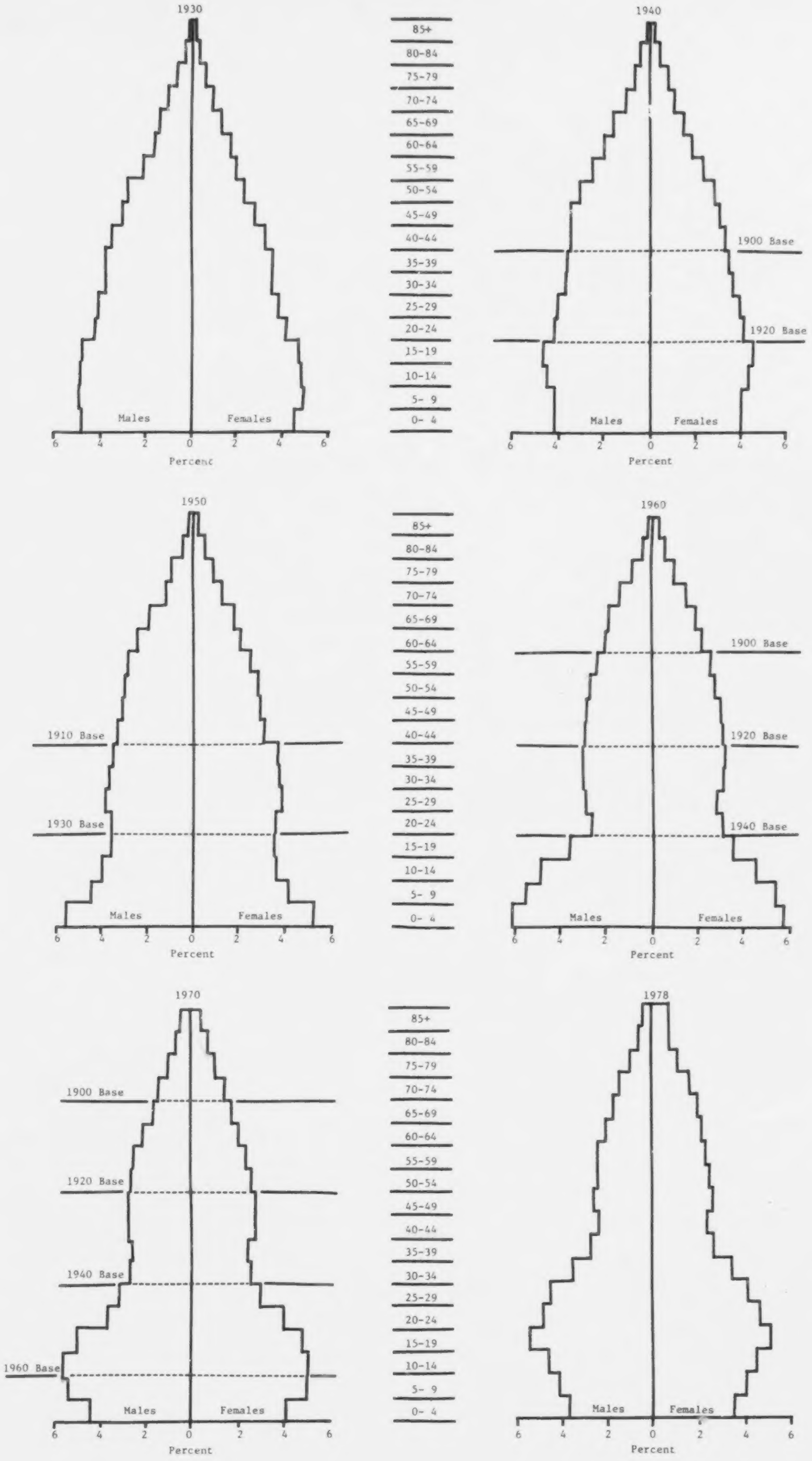


Figure 2. POPULATION PYRAMIDS
Wisconsin, 1930-1978



The population under twenty is called "youth dependent", the population 65 and older "aged dependent"; what of the population between 20 and 65 on whom they are dependent? This group has been declining as a proportion of the total. In 1940 they were nearly 60%, in 1950 57%, the big drop came during the 1950's to 50% in 1960, and finally to 49% in 1970. The younger adults were increasing their share of the total during the 1960's. Current population projections indicate that the proportion of the Working Age, 53.9% in 1978, will stabilize at between 57 and 58% by 1985 for the rest of this century.

One way to appreciate the changing geographic distribution is to look at the Census year of greatest population of each of our seventy-two counties. If a line is drawn northeast to southwest so that Door, Brown, Outagamie, Winnebago, Green Lake, Columbia, Dane, Iowa, and Grant are south and east of the line, then the following remarkable division occurs. Of the twenty-six counties to the southeast, twenty-three had their greatest census in 1970. The three exceptions are Door, which fell below 1950, and Iowa and Lafayette which attained their greatest population in the mining era of 1870. Conversely, of the forty-six counties northwest of the line, only fourteen had their largest census in 1970. They present an interesting pattern: along the Wisconsin River and U. S. Highway 51 are Vilas, Oneida, Lincoln, Marathon, Wood, Portage, and Sauk; Waupaca County to the East Central; La Crosse in West Central; and in the Northwest the cluster of Eau Claire, Chippewa, Dunn, St. Croix, and Pierce. All others were in 1970 below earlier censuses. (Figures 3 and 4 detail the 1970 to 1977 changes). The decade of the sixties saw a substantial decline in both natural increase and net outmigration. The same northwest/southeast division remains useful in the 1970-1978 period. Whereas in the sixties only six of the forty-six counties in the northwest gained population at the State rate or better; since 1970 thirty-seven are gaining faster. The exceptions are Douglas, Ashland, and Iron in the northernmost tier; Langlade, Chippewa, and Pepin scattered in the North-to-South middle of the State; and Vernon, Richland, and Sauk in the Southwest. Southeast of the line, fourteen of the twenty-six grew faster in the State in the sixties, thirteen are doing so in the seventies.

Figure 4. PERCENT CHANGE IN POPULATION DUE TO MIGRATION
BY COUNTIES, WISCONSIN - 1970-1978

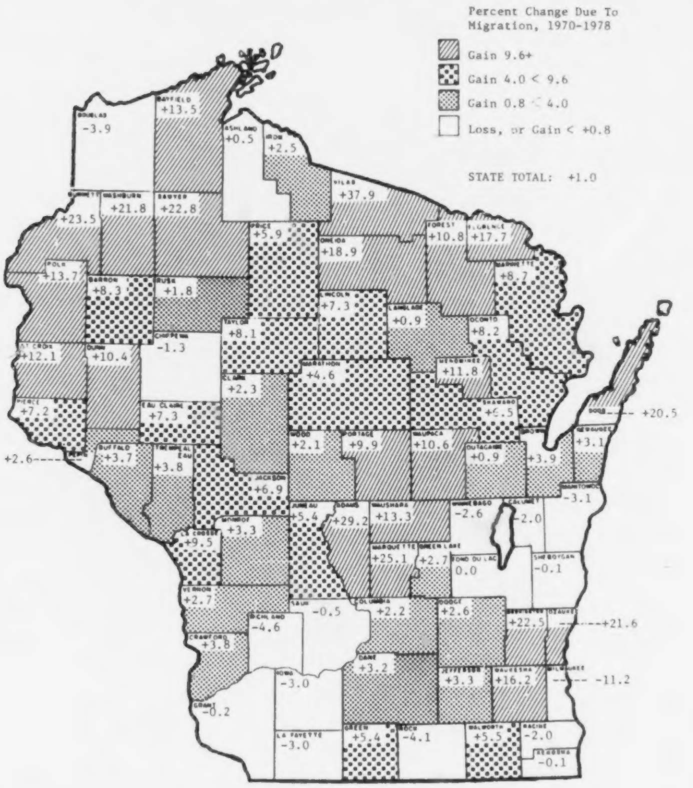

Percent Change Due To Migration, 1970-1978
▨ Gain 9.6+
▦ Gain 4.0 < 9.6
▩ Gain 0.8 < 4.0
☐ Loss, or Gain < +0.8
STATE TOTAL: +1.0
-3.9
+13.5
+0.5
+2.5
+37.9
+23.5
+21.8
+22.8
+5.9
+18.9
+10.8
+17.7
+13.7
+8.3
+1.8
+8.7
+7.3
+0.9
+8.1
+8.2
+12.1
+10.4
-1.3
+11.8
+4.6
+2.3
+7.2
+7.3
+6.5
+20.5
+2.6
+3.7
+2.1
+9.9
+10.6
+0.9
+3.9
+3.1
+3.8
+6.9
-3.1
+5.4
+29.2
+13.3
-2.6
-2.0
+3.3
+9.5
+25.1
+2.7
0.0
-0.1
+2.7
-0.5
+2.2
+2.6
+22.5
+21.6
-4.6
+3.8
+3.2
+3.3
+16.2
-11.2
-3.0
-0.2
-3.0
+5.4
-4.1
+5.5
-2.0
-0.1

Figure 3. TOTAL POPULATION GROWTH
BY COUNTIES, WISCONSIN - 1970-1978

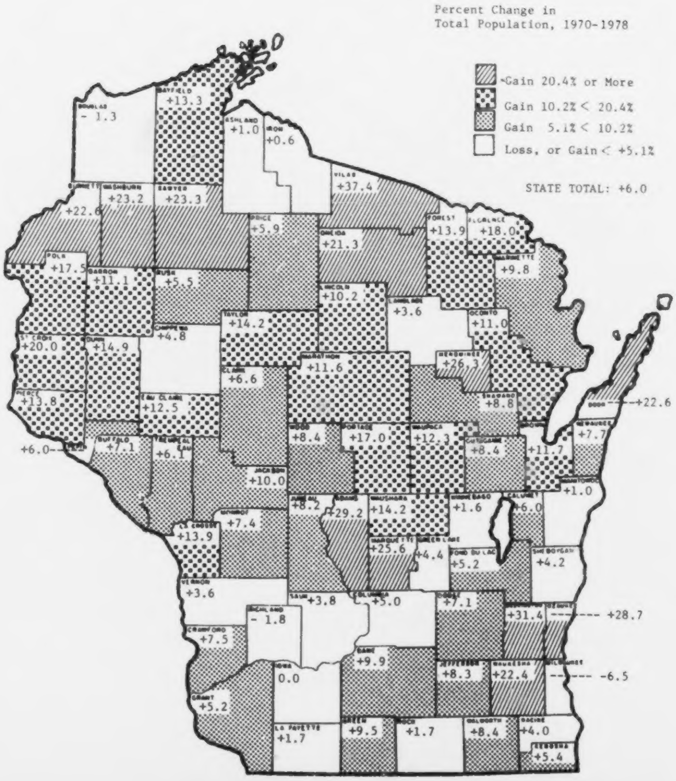

Percent Change in Total Population, 1970-1978
▨ Gain 20.4% or More
▦ Gain 10.2% < 20.4%
▩ Gain 5.1% < 10.2%
☐ Loss, or Gain < +5.1%
STATE TOTAL: +6.0
- 1.3
+13.3
+1.0
+0.6
+37.4
+22.6
+23.2
+23.3
+5.9
+21.3
+13.9
+18.0
+17.5
+11.1
+5.5
+9.8
+10.2
+3.6
+14.2
+4.8
+11.0
+20.0
+14.9
+26.3
+11.6
+6.6
+13.8
+12.5
+8.8
+22.6
+6.0
+7.1
+6.1
+8.4
+17.0
+12.3
+8.4
+11.7
+7.7
+10.0
+1.0
+8.2
+29.2
+14.2
+1.6
+6.0
+13.9
+7.4
+25.6
+4.4
+5.2
+4.2
+3.6
+3.8
+5.0
+7.1
+31.4
+28.7
- 1.8
+7.5
+9.9
+8.3
+22.4
-6.5
0.0
+5.2
+1.7
+9.5
+1.7
+8.4
+4.0
+5.4

Table 1

WISCONSIN POPULATION BY COUNTIES ENUMERATED IN 1970 AND ESTIMATED* JULY 1, 1978 WITH AMOUNT AND RATE OF CHANGE

P. 1 of 2 pages

County	April 1, 1970 U. S. Census			July 1, 1978 Estimate	Change from 1970-1978	
	Total	White	Nonwhite		Number	Percent
State Total.......	4,417,821	4,261,609	156,212	4,683,000*	265,179	6.0
Adams.............	9,234	9,141	93	11,900	2,666	28.9
Ashland...........	16,743	15,985	758	16,900	157	0.9
Barron............	33,955	33,858	97	37,700	3,745	11.0
Bayfield..........	11,683	11,077	606	13,200	1,517	13.0
Brown.............	158,244	156,015	2,229	176,800	18,556	11.7
Buffalo...........	13,743	13,729	14	14,700	957	7.0
Burnett...........	9,276	9,011	265	11,400	2,124	22.9
Calumet...........	27,604	27,520	84	29,300	1,696	6.1
Chippewa..........	47,717	47,612	105	50,000	2,283	4.8
Clark.............	30,361	30,271	90	32,400	2,039	6.7
Columbia..........	40,150	40,033	117	42,200	2,050	5.1
Crawford..........	15,252	15,223	29	16,400	1,148	7.5
Dane..............	290,272	284,892	5,380	319,100	28,828	9.9
Dodge.............	69,004	68,350	654	73,900	4,896	7.1
Door..............	20,106	19,969	137	24,700	4,594	22.8
Douglas...........	44,657	44,225	432	44,100	- 557	- 1.2
Dunn..............	28,991	28,831	160	33,300	4,309	14.9
Eau Claire........	67,219	66,892	327	75,600	8,381	12.5
Florence..........	3,298	3,270	28	3,900	602	18.3
Fond du Lac.......	84,567	84,214	353	89,000	4,433	5.2
Forest............	7,691	7,296	395	8,800	1,109	14.4
Grant.............	48,398	48,214	184	50,900	2,502	5.2
Green.............	26,714	26,634	80	29,300	2,586	9.7
Green Lake........	16,878	16,860	18	17,600	722	4.3
Iowa..............	19,306	19,277	29	19,300	- 6	- 0.0
Iron..............	6,533	6,515	18	6,600	67	1.0
Jackson...........	15,325	14,861	464	16,900	1,575	10.3
Jefferson.........	60,060	59,841	219	65,000	4,940	8.2
Juneau............	18,455	18,155	300	20,000	1,545	8.4
Kenosha...........	117,917	115,662	2,255	124,200	6,283	5.3
Kewaunee..........	18,961	18,924	37	20,400	1,439	7.6
La Crosse.........	80,468	80,147	321	91,700	11,232	14.0
Lafayette.........	17,456	17,427	29	17,800	344	2.0
Langlade..........	19,220	19,053	167	19,900	680	3.5
Lincoln...........	23,499	23,434	65	25,900	2,401	10.2
Manitowoc.........	82,294	82,036	258	83,100	806	1.0
Marathon..........	97,457	97,265	192	108,700	11,243	11.5
Marinette.........	35,810	35,722	88	39,300	3,490	9.7
Marquette.........	8,865	8,846	19	11,100	2,235	25.2
Menominee.........	2,607	298	2,309	3,300	693	26.6
Milwaukee.........	1,054,249	941,200	113,049	985,500	- 68,749	- 6.5
Monroe............	31,610	31,383	227	33,900	2,290	7.2
Oconto............	25,553	25,446	107	28,400	2,847	11.1
Oneida............	24,427	24,278	149	29,600	5,173	21.2
Outagamie.........	119,398	118,104	1,294	129,400	10,002	8.4

*Total does not agree with the sum of the counties due to independent rounding.

Source: Unpublished estimates using methods identically to those used in the P-26 series of current Population Reports - U.S. Census Bureau.

Population for tbls. 1, 3 and 4 are based on final estimates. Tbls. 12 and 13 are based on provisional estimates.

Table 1 (Cont.)

WISCONSIN POPULATION BY COUNTIES ENUMERATED IN 1970 AND ESTIMATED* JULY 1, 1978
WITH AMOUNT AND RATE OF CHANGE

P. 2 of 2 pages

County	April 1, 1970 U. S. Census			July 1, 1978 Estimate	Change from 1970-1978	
	Total	White	Nonwhite		Number	Percent
Ozaukee...........	54,461	54,249	212	70,100	15,639	28.7
Pepin.............	7,319	7,313	6	7,800	481	6.6
Pierce............	26,652	26,528	124	30,300	3,648	13.7
Polk..............	26,666	26,502	164	31,300	4,634	17.4
Portage...........	47,541	47,333	208	55,600	8,059	17.0
Price.............	14,520	14,487	33	15,600	1,080	7.4
Racine............	170,838	159,662	11,176	177,700	6,862	4.0
Richland..........	17,079	17,047	32	16,800	- 279	- 1.6
Rock..............	131,970	128,469	3,501	134,200	2,230	1.7
Rusk..............	14,238	14,190	48	15,000	762	5.4
St. Croix.........	34,354	34,256	98	41,200	6,846	19.9
Sauk..............	39,057	38,874	183	40,500	1,443	3.7
Sawyer............	9,670	8,803	867	11,900	2,230	23.1
Shawano...........	32,650	31,652	998	35,500	2,850	8.7
Sheboygan.........	96,660	96,238	422	100,800	4,140	4.3
Taylor............	16,958	16,928	30	19,400	2,442	14.4
Trempealeau.......	23,344	23,301	43	24,800	1,456	6.2
Vernon............	24,557	24,527	30	25,400	843	3.4
Vilas.............	10,958	10,044	914	15,100	4,142	37.8
Walworth..........	63,444	62,929	515	68,800	5,356	8.4
Washburn..........	10,601	10,519	82	13,100	2,499	23.6
Washington........	63,839	63,672	167	83,900	20,061	31.4
Waukesha..........	231,335	230,315	1,020	283,100	51,765	22.4
Waupaca...........	37,780	37,657	123	42,400	4,620	12.2
Waushara..........	14,795	14,762	33	16,900	2,105	14.2
Winnebago.........	129,946	129,319	627	132,000	2,054	15.9
Wood..............	65,362	65,037	325	70,800	5,438	8.3

Table 2

WISCONSIN POPULATION GROWTH DUE TO NATURAL INCREASE AND MIGRATION
1930-1978

Year	Estimated Population July 1, each year	Resident[a] Births	Resident[a] Deaths	Natural Increase (Births minus Deaths)	% gain or loss[e] through migration (total gain minus natural increase)
1930	2,947,000	56,132[b]	30,886[b]	25,246	+0.06
1931	2,972,000	55,533[b]	30,345[b]	25,188	-0.01
1932	2,992,000	53,874[b]	30,248[b]	23,626	-0.12
1933	3,009,000	51,888[b]	29,885[b]	22,003	-0.17
1934	3,028,000	50,956	29,820	21,136	-0.07
1935	3,048,000	51,932	30,284	21,648	-0.05
1936	3,063,000	52,416	31,665	20,751	-0.19
1937	3,078,000	52,967	32,330	20,637	-0.18
1938	3,099,000	54,125	31,060	23,065	-0.07
1939	3,121,000	54,467	30,895	23,572	-0.05
1940	3,138,000	55,256[c]	31,431	23,825	-0.22
1941	3,140,000	57,184	30,952	26,232	-0.77
1942	3,053,000	61,274	30,543	30,731	-3.86
1943	3,014,000	65,004	31,482	33,522	-2.41
1944	2,980,000	63,716	31,849	31,867	-2.21
1945	2,961,000	61,753	31,575	30,178	-1.66
1946	3,167,000	68,223	31,871	36,352	+5.36
1947	3,250,000	79,715	32,522	47,193	+1.10
1948	3,314,000	83,188	32,807	50,381	+0.41
1949	3,391,000	82,499	32,706	49,793	+0.80
1950	3,449,000	82,774	33,225	49,549	+0.25
1951	3,437,000	85,092	33,486	51,606	-1.85
1952	3,463,000	88,381	33,643	54,738	-0.83
1953	3,502,000	88,675	34,364	54,311	-0.44
1954	3,599,000	89,989	34,275	55,714	+1.15
1955	3,666,000	91,952	34,480	57,472	+0.26
1956	3,740,000	92,915	35,374	57,541	+0.44
1957	3,802,000	94,947	36,342	58,605	+0.09
1958	3,863,000	96,174	37,322	58,852	+0.06
1959	3,915,000	97,234	37,312	59,922	-0.20
1960[d]	3,967,000	99,006	37,644	61,362	-0.24
1961	4,014,000	98,965	37,724	61,241	-0.35
1962	4,043,000	96,467	37,829	58,638	-0.73
1963	4,086,000	93,052	39,004	54,048	-0.27
1964	4,151,000	90,258	39,274	50,984	+0.34
1965	4,212,000	85,915	39,509	46,406	+0.35
1966	4,262,000	81,666	40,241	41,425	+0.20
1967	4,303,000	78,105	39,995	38,110	+0.07
1968	4,332,000	75,028	40,489	34,539	-0.13
1969	4,381,000	74,291	41,198	33,093	+0.36
1970	4,427,000	75,890	40,946	34,944	+0.25
1971	4,473,000	74,716	40,600	34,116	+0.27
1972	4,526,000	68,348	41,227	27,121	+0.57
1973	4,539,000	63,758	41,684	22,074	-0.20
1974	4,565,000	63,973	41,052	22,921	+0.07
1975	4,589,000	65,147	40,363	24,784	-0.02
1976	4,609,000	65,093	40,054	25,039	-0.11
1977	4,651,000	66,795	39,759	27,036	+0.32
1978	4,683,000	68,561	39,806	28,755	+0.07
Intercensal Population Increase					
1930-1940	198,581	534,071	307,555	226,516	-0.89
1940-1950	296,988	684,692	318,186	366,506	-2.02
1950-1960	517,202	912,192	350,928	561,264	-1.11
1960-1970	465,954	866,975	393,733	473,242	-0.16

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a. Births and Deaths in the upper panel have been recomputed on a Fiscal Year basis (July 1 to June 30) to match midyear population estimates. Births and Deaths in the lower panel have been recomputed to an April 1 to March 31 basis to match Census dates.

b. Occurrence figures for both births and deaths, 1930 thru 1933.

c. Number of live births 1940-1950 corrected for underregistration.

d. July 1 estimates, 1960 to 1969, have been adjusted for the error in previously published estimates revealed in the 1970 Census Final Report.

e. The percent gain or loss through migration is computed by dividing the number of net migrants by the population at the beginning of the period in hundreds.

Table 3

WISCONSIN POPULATION CHARACTERISTICS BY COUNTY - JULY 1, 1978 ESTIMATE

P. 1 of 2 pages

County	Male	Female	Total	Age			
				0-19	20-34	35-64	65+
State Total.....	2,304,850	2,378,150	4,683,000	1,700,300	1,088,350	1,356,700	537,650
Adams...........	5,400	6,500	11,900	3,800	2,350	3,900	1,850
Ashland.........	8,050	8,850	16,900	6,200	3,300	5,000	2,400
Barron..........	18,650	19,050	37,700	15,050	6,150	11,050	5,450
Bayfield........	5,900	7,300	13,200	4,250	2,600	4,350	2,000
Brown...........	91,700	85,100	176,800	66,800	44,600	48,050	17,350
Buffalo.........	7,200	7,500	14,700	5,850	2,400	4,300	2,150
Burnett.........	5,400	6,000	11,400	3,850	1,950	3,550	2,050
Calumet.........	15,150	14,150	29,300	11,100	7,400	7,950	2,850
Chippewa........	24,500	25,500	50,000	17,850	10,750	16,350	5,050
Clark...........	16,400	16,000	32,400	13,950	5,000	8,800	4,650
Columbia........	20,150	22,050	42,200	15,600	8,200	12,500	5,900
Crawford........	8,250	8,150	16,400	7,100	2,550	4,450	2,300
Dane............	155,300	163,800	319,100	106,550	102,850	81,800	27,900
Dodge...........	35,700	38,200	73,900	23,300	21,150	20,350	9,100
Door............	11,150	13,550	24,700	7,850	4,850	8,200	3,800
Douglas.........	21,000	23,100	44,100	14,900	10,450	13,400	5,350
Dunn............	17,100	16,200	33,300	14,700	8,050	7,200	3,350
Eau Claire......	36,050	39,550	75,600	28,300	19,950	18,800	8,550
Florence........	2,050	1,850	3,900	1,700	600	1,000	600
Fond du Lac.....	43,650	45,350	89,000	31,750	19,150	29,100	9,000
Forest..........	5,050	3,750	8,800	3,650	1,300	2,500	1,350
Grant...........	26,100	24,800	50,900	22,450	12,300	10,950	5,200
Green...........	14,000	15,300	29,300	10,800	5,650	8,700	4,150
Green Lake......	8,850	8,750	17,600	7,150	3,250	4,250	2,950
Iowa............	9,350	9,950	19,300	8,200	3,400	5,150	2,550
Iron............	3,150	3,450	6,600	2,250	1,150	2,000	1,200
Jackson.........	8,350	8,550	16,900	6,750	2,750	4,950	2,450
Jefferson.......	31,000	34,000	65,000	24,300	17,150	16,200	7,350
Juneau..........	9,550	10,450	20,000	7,350	3,900	5,950	2,800
Kenosha.........	61,500	62,700	124,200	40,850	32,700	36,700	13,950
Kewaunee........	9,900	10,500	20,400	8,650	3,650	5,400	2,700
La Crosse.......	43,800	47,900	91,700	34,300	24,200	22,800	10,400
Lafayette.......	8,650	9,150	17,800	7,550	3,150	4,700	2,400
Langlade........	10,050	9,850	19,900	8,600	3,100	5,400	2,800
Lincoln.........	12,750	13,150	25,900	10,350	4,250	7,550	3,750
Manitowoc.......	40,700	42,400	83,100	29,650	17,900	27,150	8,400
Marathon........	53,250	55,450	108,700	38,800	23,400	35,500	11,000
Marinette.......	19,450	19,850	39,300	15,750	6,400	11,450	5,700
Marquette.......	5,300	5,800	11,100	3,800	1,900	3,450	1,950
Menominee.......	1,100	2,200	3,300	1,550	400	1,200	150
Milwaukee.......	468,650	516,850	985,500	332,150	233,450	300,100	119,800
Monroe..........	16,750	17,150	33,900	13,550	5,550	9,950	4,850
Oconto..........	14,350	14,050	28,400	12,250	4,400	7,700	4,050
Oneida..........	14,650	14,950	29,600	11,850	4,850	8,600	4,300
Outagamie.......	67,100	62,300	129,400	48,900	32,650	35,200	12,650

Note: State estimates are shown to the nearest thousand, county estimates to the nearest hundred, therefore, the state total may not agree with the sum of the counties.

Population for tbls. 1, 3 and 4 are based on final estimates. Tbls. 12 and 13 are based on provisional estimates.

Table 3 (Cont.)

WISCONSIN POPULATION CHARACTERISTICS BY COUNTY - JULY 1, 1978 ESTIMATE

P. 2 of 2 pages

County	Male	Female	Total	Age 0-19	 20-34	 35-64	 65+
Ozaukee.........	36,200	33,900	70,100	28,150	12,800	23,500	5,650
Pepin...........	4,450	3,350	7,800	3,250	1,150	2,200	1,200
Pierce..........	15,550	14,750	30,300	13,350	7,350	6,500	3,100
Polk............	15,450	15,850	31,300	12,550	5,150	9,100	4,500
Portage.........	28,600	27,000	55,600	24,500	13,450	12,050	5,600
Price...........	7,050	8,550	15,600	5,000	3,100	5,150	2,350
Racine..........	88,000	89,700	177,700	58,400	46,700	52,550	20,050
Richland........	8,000	8,800	16,800	6,200	3,300	5,000	2,300
Rock............	66,500	67,700	134,200	44,100	35,300	39,650	15,150
Rusk............	7,600	7,400	15,000	6,500	2,300	4,100	2,100
St. Croix.......	20,200	21,000	41,200	14,700	8,900	13,450	4,150
Sauk............	19,300	21,200	40,500	14,950	7,900	12,000	5,650
Sawyer..........	7,400	4,500	11,900	4,350	1,600	4,000	1,950
Shawano.........	17,550	17,950	35,500	14,200	5,850	10,350	5,100
Sheboygan.......	48,700	52,100	100,800	31,850	28,850	27,750	12,350
Taylor..........	11,100	8,300	19,400	8,100	2,900	5,450	2,950
Trempealeau.....	12,250	12,550	24,800	9,900	4,100	7,250	3,550
Vernon..........	11,450	13,950	25,400	8,150	4,950	8,400	3,900
Vilas...........	9,300	5,800	15,100	5,450	1,950	5,150	2,550
Walworth........	32,850	35,950	68,800	25,750	18,150	17,100	7,800
Washburn........	8,050	5,050	13,100	4,800	1,700	4,450	2,150
Washington......	43,500	40,400	83,900	31,650	21,200	22,850	8,200
Waukesha........	146,200	136,900	283,100	113,950	51,550	94,850	22,750
Waupaca.........	21,350	21,050	42,400	17,150	7,850	10,250	7,150
Waushara........	8,500	8,400	16,900	6,850	3,150	4,050	2,850
Winnebago.......	63,000	69,000	132,000	49,400	34,850	32,800	14,950
Wood............	34,700	36,100	70,800	25,250	15,250	23,150	7,150

Figure 5

BIRTH AND DEATH RATES, WISCONSIN, 1935-1978

(Resident Data)

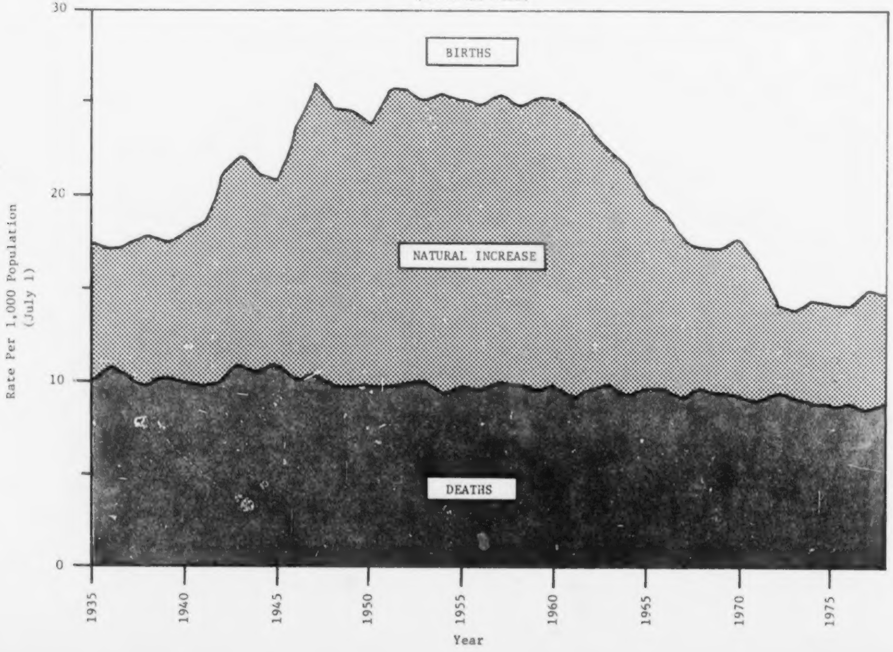

Table 4

WISCONSIN POPULATION BY AGE AND SEX, WHITE AND NONWHITE
1970 CENSUS AND 1978 ESTIMATE

Age	Total				Male				Female			
	1978 Estimate	1970 Census			1978 Estimate	1970 Census			1978 Estimate	1970 Census		
		Total	White	Nonwhite		Total	White	Nonwhite		Total	White	Nonwhite
Total	4,683,000	4,417,821	4,261,609	156,212	2,299,000	2,167,413	2,091,682	75,731	2,384,000	2,250,408	2,169,927	80,481
Under 5	338,000	382,405	361,705	20,700	172,000	195,495	185,124	10,371	166,000	186,910	176,581	10,329
Under 1	67,000				34,000				33,000			
1 year												
2 years												
3 years												
4 years												
5- 9 years	376,000	461,481	439,978	21,503	191,000	235,267	224,559	10,708	185,000	226,214	215,419	10,795
10-14 years	419,000	474,478	453,877	20,601	214,000	242,619	232,347	10,272	205,000	231,859	221,530	10,329
15-19 years	490,000	433,428	416,359	17,069	247,000	218,303	209,806	8,497	243,000	215,125	206,553	8,572
20-24 years	440,000	337,259	322,909	14,350	219,000	158,230	151,623	6,607	221,000	179,029	171,286	7,743
25-29 years	404,000	272,919	261,766	11,153	205,000	135,219	130,064	5,155	199,000	137,700	131,702	5,998
30-34 years	316,000	233,824	224,113	9,711	157,000	115,915	111,484	4,431	159,000	117,909	112,629	5,280
35-39 years	263,000	226,130	217,152	8,978	130,000	111,681	107,614	4,067	133,000	114,449	109,538	4,911
40-44 years	215,000	244,364	236,308	8,056	107,000	121,313	117,466	3,847	108,000	123,051	118,842	4,209
45-49 years	243,000	243,897	237,504	6,393	119,000	119,634	116,402	3,232	124,000	124,263	121,102	3,161
50-54 years	224,000	232,347	227,530	4,817	109,000	112,813	110,445	2,368	115,000	119,534	117,085	2,449
55-59 years	220,000	216,073	212,087	3,986	107,000	104,925	102,981	1,944	113,000	111,148	109,106	2,042
60-64 years	197,000	188,595	185,586	3,009	93,000	90,539	89,100	1,439	104,000	98,056	96,486	1,570
65-69 years	181,000	155,917	153,600	2,317	82,000	72,728	71,628	1,100	99,000	83,189	81,972	1,217
70-74 years	142,000	128,334	126,701	1,633	63,000	56,986	56,185	801	79,000	71,348	70,516	832
75-79 years	97,000	94,220	93,266	954	41,000	40,333	39,881	452	56,000	53,887	53,385	502
80-84 years	64,000	56,987	56,400	587	25,000	22,781	22,528	253	39,000	34,206	33,872	334
85+ years	54,000	35,163	34,768	395	18,000	12,632	12,445	187	36,000	22,531	22,323	208
65+ years	538,000	470,621	464,735	5,886	229,000	205,460	202,667	2,793	309,000	265,161	262,068	3,093
Median age	28.4	27.2	27.6	19.5	27.6	26.2	26.6	18.8	29.3	28.1	28.6	20.1

Note: The 1970 Census age distribution has been adjusted for over-enumeration of centenarians.

Population for tbls. 1, 3 and 4 are based on final estimates. Tbls. 12 and 13 are based on provisional estimates.

Table 5

ABRIDGED LIFE TABLE FOR WISCONSIN MALES 1976-1978 (1977 Average)

Age Interval X to X + N	Number Living Exactly to Age X	Probability of Death During Age Interval	Total Number of Persons in Age Group X to X + N	*Mean of Years Lived From Age X to Death	**Average Age At Death of Those Age X
0-01	100,000	0.01215	99,120	71.25	74.49
01-04	98,785	0.00261	394,464	71.12	74.70
05-09	98,527	0.00186	492,126	67.31	74.75
10-14	98,344	0.00205	491,256	62.43	74.78
15-19	98,143	0.00612	489,330	57.55	74.82
20-24	97,542	0.00832	485,840	52.89	74.92
25-29	96,730	0.00654	482,196	48.31	75.06
30-34	96,098	0.00724	478,888	43.61	75.16
35-39	95,402	0.00918	474,992	38.91	75.27
40-44	94,526	0.01407	469,562	34.24	75.41
45-49	93,196	0.02278	461,075	29.69	75.63
50-54	91,073	0.04093	446,723	25.32	75.97
55-59	87,345	0.06130	424,266	21.29	76.57
60-64	81,991	0.10417	389,912	17.51	77.43
65-69	73,450	0.14641	341,795	14.23	78.80
70-74	62,697	0.22578	279,389	11.22	80.56
75-79	48,541	0.32110	204,300	8.74	82.98
80-84	32,955	0.44294	127,596	6.67	86.54
85-99	18,358	1.00000	92,288	5.03	92.50

Table 6

ABRIDGED LIFE TABLE FOR WISCONSIN FEMALES 1976-1978 (1977 Average)

Age Interval X to X + N	Number Living Exactly to Age X	Probability of Death During Age Interval	Total Number of Persons in Age Group X to X + N	*Mean of Years Lived From Age X to Death	**Average Age At Death of Those Age X
0-01	100,000	0.01025	99,258	77.99	81.24
01-04	98,975	0.00198	395,392	77.80	81.38
05-09	98,780	0.00122	493,563	73.95	81.41
10-14	98,659	0.00107	493,054	69.04	81.43
15-19	98,554	0.00229	492,247	64.11	81.44
20-24	98,327	0.00271	491,024	59.25	81.48
25-29	98,061	0.00316	489,592	54.40	81.52
30-34	97,751	0.00379	487,903	49.57	81.56
35-39	97,380	0.00548	485,673	44.74	81.61
40-44	96,847	0.00863	482,308	39.98	81.69
45-49	96,011	0.01416	476,918	35.30	81.81
50-54	94,651	0.02234	468,370	30.77	82.01
55-59	92,536	0.03308	455,594	26.41	82.31
60-64	89,474	0.05278	436,401	22.22	82.75
65-69	84,752	0.07382	409,165	18.31	83.43
70-74	78,495	0.12302	369,729	14.56	84.33
75-79	68,839	0.21152	309,236	11.23	86.02
80-84	54,278	0.32002	228,602	8.55	88.98
85-99	36,908	1.00000	235,215	6.37	92.50

*Corresponds to what is usually termed "Life Expectancy" at age X.

**Median age attained by survivors to age X or age attained by 50% of those reaching age X.

Summary of Vital Events

NOTES PERTAINING TO TABLE 7

I. General Footnotes

a). Resident figures beginning 1934, previous figures are occurrence data.

b). Crude birth rates for 1941-1946 are calculated on the civilian population as suggested in National Office of Vital Statistics of the U.S., 1950, Vol. 1, page 29.

c). Number of live births, 1940-1950 corrected for underregistration.

d). Figures are by Place of Occurrence.

e). Excluded legal separations, from 1960 to present.

f). July 1 population estimates, 1960 to 1970 have been revised after the Census.

II. Notes Pertaining to Rates

Live birth, death, marriage, and divorce: crude rates per 1,000 population.

Infant death rate per 1,000 live births.

Fetal death rate per 1,000 deliveries (live births plus stillbirths of 20 weeks or more gestation).

Maternal death rate per 100,000 live births. Earlier publications in this series have used other basis.

III. Definition of Terms and Rates

For calculations--refer to technical notes on page viii.

SUMMARY OF VITAL EVENTS

The 1978 health statistics for Wisconsin largely reflect the continuation of general trends. The death rate has decreased in the last decade from 9.4 in 1969 to 8.6 in 1978. Live birth rates were relatively stable for the five year period 1974-1978, averaging 14.3. The infant death rate has continued to decrease from 22.1 per 1,000 population in 1965 to 11.2 in 1978, a decline of about 50%. The fetal death rate has shown a drop in the past five years from 8.8 to 6.1 in 1978.

During 1978, registration of vital events (live births, total deaths, fetal deaths or stillbirths, marriages, divorces and annulments) totaled 163,597, an increase of approximately 2 percent over 160,573 vital events recorded in 1977.

In addition, divorce and annulment rates rose dramatically after 1960. In 1960, the number of divorces and annulments per 1,000 population was 0.9. By 1978, the rate has more than tripled. During the early sixties marriage rates were at the lowest point since 1933. From 1962 to 1972 the rates rose from 6.0 to 8.5, but have now declined to 8.2 in 1978.

On the average there was a birth every 8 minutes, a death every 13 minutes, an infant death every 11 hours, a neonatal death every 17 hours, a fetal death every 20 hours, a marriage every 14 minutes, and a divorce or annulment every 33 minutes.

Table 7

WISCONSIN VITAL EVENTS AND RATES 1910-1978
(Resident Data)*

Year	Estimated Mid Year Population	Live Births		Infant Deaths		Fetal Deaths		Total Deaths (excl. fetal deaths)		Maternal Deaths		Marriages		Divorces Annulments & Separations	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.[d]	Rate	No.[d]	Rate
1910	2,340,000	51,435	22.0	5,621	109.3	1,414	26.8	28,213	12.1	255	495.8	18,528	7.9	1,189	.5
1911	2,369,000	51,738	21.8	5,315	102.7	1,583	29.7	27,185	11.5	296	572.1	18,780	7.9	1,288	.5
1912	2,398,000	53,420	22.3	5,084	95.2	1,699	30.8	27,000	11.3	237	443.7	20,125	8.4	1,615	.7
1913	2,428,000	54,375	22.4	5,273	96.9	1,610	28.8	27,856	11.5	255	469.0	21,052	8.7	1,391	.6
1914	2,458,000	58,163	23.7	4,804	82.6	1,695	28.3	27,372	11.1	307	527.8	17,245	7.0	1,596	.6
1915	2,489,000	58,014	23.3	4,520	77.9	1,711	28.6	26,676	10.7	291	501.6	17,833	7.2	1,721	.7
1916	2,520,000	59,459	23.6	5,090	85.6	1,647	27.0	29,769	11.8	327	550.0	18,526	7.4	1,775	.7
1917	2,551,000	59,013	23.1	4,597	77.9	1,595	26.3	29,121	11.4	334	566.0	19,524	7.7	1,707	.7
1918	2,583,000	60,649	23.5	4,810	79.3	1,786	28.6	35,214	13.6	311	512.8	11,890	4.6	1,585	.6
1919	2,615,000	55,099	21.1	4,362	79.2	1,531	27.0	28,200	10.8	256	464.6	18,953	7.2	1,865	.7
1920	2,648,000	59,269	22.4	4,566	77.0	1,673	27.5	29,859	11.3	338	570.3	22,293	8.4	2,425	.9
1921	2,683,000	62,163	23.2	4,473	71.9	1,813	28.3	27,674	10.3	352	566.3	18,759	7.0	2,112	.8
1922	2,715,000	58,635	21.4	4,118	70.2	1,762	29.2	27,440	10.1	318	542.3	17,550	6.5	2,089	.8
1923	2,745,000	59,401	21.6	4,153	69.9	1,675	27.4	29,336	10.7	318	535.3	17,758	6.5	2,210	.8
1924	2,775,000	59,963	21.6	3,819	63.7	1,741	28.2	28,205	10.2	361	602.0	16,140	5.8	2,378	.9
1925	2,805,000	58,024	20.7	3,861	66.5	1,712	28.7	29,380	10.5	294	506.7	16,385	5.8	2,467	.9
1926	2,835,000	57,373	20.2	3,841	66.9	1,551	26.3	30,232	10.7	347	604.8	17,025	6.0	2,457	.9
1927	2,864,000	57,320	20.0	3,434	59.9	1,610	27.3	29,665	10.4	309	539.1	16,833	5.9	3,240	.9
1928	2,892,000	57,913	20.0	3,507	60.5	1,626	27.3	31,774	11.0	331	571.5	16,717	5.8	2,714	.9
1929	2,920,000	55,619	19.1	3,324	59.8	1,604	28.0	31,284	10.7	278	499.8	18,058	6.2	2,725	.9
1930	2,947,000	56,643	19.2	3,149	55.6	1,683	28.9	30,488	10.4	298	526.1	15,328	5.2	2,553	.9
1931	2,972,000	54,421	18.3	2,884	52.9	1,512	27.0	30,202	10.2	238	437.3	14,954	5.1	2,702	.9
1932	2,992,000	53,326	17.8	2,670	50.1	1,463	26.7	30,294	10.1	225	421.9	14,034	4.7	2,404	.8
1933	3,009,000	50,450	16.8	2,444	48.4	1,440	27.8	29,475	9.8	236	467.8	15,962	5.3	2,479	.8
1934	3,028,000	51,461[a]	17.0	2,539[a]	49.3	1,300[a]	24.6	30,164[a]	10.0	215[a]	417.8	20,074	6.6	3,231	1.1
1935	3,048,000	52,402	17.2	2,413	46.0	1,257	23.4	30,404	10.0	193	368.3	21,075	6.9	3,543	1.2
1936	3,063,000	52,429	17.1	2,509	47.9	1,271	23.7	32,926	10.8	206	392.9	22,666	7.4	3,741	1.2
1937	3,078,000	53,504	17.4	2,329	43.5	1,254	22.9	31,733	10.3	188	351.4	23,285	7.6	3,999	1.3
1938	3,099,000	54,746	17.7	2,308	42.2	1,250	22.3	30,385	9.8	163	297.7	20,732	6.7	3,568	1.2
1939	3,121,000	54,187	17.4	2,172	40.1	1,180	21.3	31,404	10.1	153	282.3	21,276	6.8	3,673	1.2
1940	3,138,000	56,324[c]	17.9	2,030	36.0	1,209	21.0	31,457	10.0	151	268.1	23,379	7.5	3,599	1.1
1941	3,140,000	58,043	18.5[b]	1,922	34.3	1,140	19.3	30,445	9.7	137	236.0	28,816	9.2	4,050	1.3
1942	3,053,000	64,504	21.2	2,030	31.5	1,366	20.7	30,639	10.0	109	169.0	24,860	8.1	3,905	1.3
1943	3,014,000	65,404	22.1	2,224	34.0	1,306	19.6	32,323	10.7	126	192.6	22,393	7.4	4,469	1.5
1944	2,980,000	61,928	21.1	1,950	31.5	1,183	18.7	31,373	10.5	113	182.5	21,190	7.1	5,326	1.8
1945	2,961,000	61,577	20.9	1,890	30.7	1,141	18.2	31,776	10.7	81	131.5	25,269	8.5	6,393	2.2
1946	3,167,000	74,868	23.7	2,235	29.9	1,300	17.1	31,965	10.1	101	134.9	38,964	12.3	8,197	2.6
1947	3,250,000	84,562	26.0	2,470	29.2	1,410	16.4	33,078	10.2	87	102.9	35,555	10.9	5,877	1.8
1948	3,314,000	81,814	24.8	2,147	26.2	1,357	16.3	32,535	9.8	83	101.4	32,579	9.8	5,075	1.5
1949	3,391,000	83,183	24.5	2,193	26.4	1,274	15.1	32,876	9.7	47	56.5	27,782	8.2	4,815	1.4
1950	3,449,000	82,364	23.9	2,098	25.5	1,241	14.8	33,573	9.7	35	42.5	29,081	8.4	4,845	1.4
1951	3,437,000	87,819	25.6	2,182	24.8	1,343	15.1	33,397	9.7	42	47.8	27,133	7.9	4,473	1.3
1952	3,463,000	88,941	25.7	2,160	24.3	1,267	14.0	33,887	9.8	42	47.2	24,737	7.1	4,847	1.4
1953	3,502,000	88,408	25.2	2,069	23.4	1,251	14.0	34,839	9.9	38	43.0	25,469	7.3	5,011	1.4
1954	3,599,000	91,570	25.4	2,002	21.9	1,216	13.1	33,709	9.4	34	37.1	24,921	6.9	4,887	1.4
1955	3,666,000	92,333	25.2	2,175	23.6	1,233	13.2	35,250	9.6	22	23.8	25,543	7.0	4,720	1.3
1956	3,740,000	93,496	25.0	2,133	22.8	1,235	13.0	35,498	9.5	20	21.4	26,833	7.2	4,488	1.2
1957	3,802,000	96,398	25.4	2,145	22.3	1,278	13.1	37,185	9.8	35	36.3	25,723	6.8	4,336	1.1
1958	3,863,000	95,950	24.8	2,250	23.4	1,246	12.8	37,457	9.7	29	30.2	24,985	6.5	4,499	1.2
1959	3,915,000	98,518	25.2	2,295	23.3	1,222	12.3	37,166	9.5	34	34.5	25,637	6.5	4,657	1.2
1960[f]	3,967,000	99,493	25.1	2,173	21.8	1,341	13.3	38,121	9.6	27	27.1	24,573	6.2	3,672[e]	.9
1961	4,014,000	98,435	24.5	2,235	22.7	1,243	12.5	37,325	9.3	27	27.4	24,232	6.0	4,300	1.1
1962	4,043,000	94,497	23.4	1,929	20.4	1,114	11.7	38,332	9.5	26	27.5	24,114	6.0	4,547	1.1
1963	4,086,000	91,605	22.4	2,060	22.5	1,184	12.8	39,676	9.7	20	21.8	25,678	6.3	4,918	1.2
1964	4,151,000	88,910	21.4	1,848	20.8	1,112	12.4	38,872	9.4	16	18.0	26,832	6.5	5,214	1.3
1965	4,212,000	82,919	19.7	1,829	22.1	1,042	12.4	40,146	9.5	13	15.7	28,410	6.7	5,232	1.2
1966	4,262,000	80,412	18.9	1,640	20.4	958	11.8	40,336	9.5	21	26.1	28,473	6.7	5,293	1.2
1967	4,303,000	75,797	17.6	1,484	19.6	867	11.3	39,654	9.2	9	11.9	30,480	7.1	6,105	1.4
1968	4,332,000	74,257	17.1	1,453	19.6	838	11.2	41,323	9.5	9	12.1	33,019	7.6	7,260	1.7
1969	4,381,000	74,324	17.0	1,281	17.2	872	11.6	41,072	9.4	15	20.2	34,402	7.9	7,832	1.8
1970	4,427,000	77,455	17.5	1,308	16.9	817	10.4	40,820	9.2	6	7.7	34,415	7.8	8,930	2.0
1971	4,473,000	71,976	16.1	1,157	16.1	767	10.5	40,380	9.0	10	13.9	34,858	7.8	8,927	2.0
1972	4,526,000	64,719	14.3	984	15.2	680	10.4	42,074	9.3	9	13.9	38,608	8.5	10,492	2.3
1973	4,539,000	62,796	13.8	900	14.3	590	9.3	41,293	9.1	7	11.1	40,098	8.8	11,595	2.6
1974	4,565,000	65,150	14.3	898	13.8	579	8.8	40,811	8.9	3	4.6	38,248	8.4	12,470	2.7
1975	4,589,000	65,145	14.2	881	13.5	530	8.1	39,916	8.7	3	4.6	35,888	7.8	13,187	2.9
1976	4,609,000	65,042	14.1	818	12.6	540	8.2	40,191	8.7	6	9.2	36,024	7.8	14,579	3.2
1977	4,651,000	68,548	14.7	774	11.3	478	6.9	39,325	8.5	7	10.2	37,430	8.0	14,792	3.2
1978	4,683,000	68,573	14.6	769	11.2	421	6.1	40,285	8.6	8	11.7	38,189	8.2	16,129	3.4

*See "Notes Pertaining to Table 7" Roman I-a and d for residency status.

The 1978 fetal death count for the State is deficient by 116. The certificate for these deaths were not received from the Milwaukee City Health Department until nine months after the filing deadline by which time the file preparation and tabulation had been completed.

Table 8

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1978

P. 1 of 5 pages

(Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1978 Rate**	Five year average rate**
All Ages - Total					
Total, all causes		40,281***	100.0	860.2	870.0
Diseases of the heart	393-398,402,404,410-429	16,329	40.5	348.7	349.7
Cancer	140-209	8,283	20.6	176.9	172.2
Cerebrovascular disease (stroke)	430-438	3,738	9.3	79.8	91.0
Accidents	800-949	1,995	5.0	42.6	42.6
Influenza and pneumonia	470-486	1,236	3.1	26.4	26.1
Other diseases of circulatory system	441-458	969	2.4	20.7	21.1
Diabetes mellitus	250	739	1.8	15.8	16.0
General arteriosclerosis	440	735	1.8	15.7	16.1
Cirrhosis of liver	571	482	1.2	10.3	11.2
Suicide	950-959	382	0.9	8.2	12.4
Certain diseases of early infancy	760-779	339	0.8	7.2	8.7
All Ages - Males					
Total, all causes		22,062	100.0	959.6	978.6
Diseases of the heart	393-398,402,404,410-429	8,971	40.7	390.2	399.8
Cancer	140-209	4,530	20.5	197.0	189.8
Cerebrovascular disease (stroke)	430-438	1,648	7.5	71.7	82.5
Accidents	800-949	1,378	6.2	59.9	60.2
Influenza and pneumonia	470-486	652	3.0	28.4	29.4
Other diseases of circulatory system	441-458	539	2.4	23.4	24.2
Suicide	950-959	442	2.0	19.2	18.5
General arteriosclerosis	440	329	1.5	14.3	13.9
Diabetes mellitus	250	313	1.4	13.6	14.3
Cirrhosis of liver	571	306	1.4	13.3	23.5
Certain diseases of early infancy	760-779	195	0.9	8.5	10.2
All Ages - Females					
Total, all causes		18,219	100.0	764.2	764.9
Diseases of the heart	393-398,402,404,410-429	7,358	40.4	308.6	301.1
Cancer	140-209	3,753	20.6	157.4	155.2
Cerebrovascular disease	430-438	2,090	11.5	87.7	99.2
Accidents	800-949	617	3.4	25.9	25.7
Influenza and pneumonia	470-486	584	3.2	24.5	22.8
Other diseases of circulatory system	441-458	430	2.4	18.0	18.1
Diabetes mellitus	250	426	2.3	17.9	17.6
General arteriosclerosis	440	406	2.2	17.0	18.3
Cirrhosis of liver	571	176	1.0	7.4	7.8
Congenital anomalies	740-759	155	0.9	6.5	6.1
Certain diseases of early infancy	760-779	144	0.8	6.0	7.3

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*Percents calculated on basis of less than 100 deaths give an exaggerated impression of the numbers involved and are subject to large random error.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

***Three male, age unknown, not tabulated. One, sex unknown not included in total.

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1978

Page 2 of 5 pages

(Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1978 Rate**	Five year average rate**
Under 1 year - Males					
All causes		429	100.0	1261.8	1487.5
Congenital anomalies	740-759	91	21.2	267.6	293.8
Immaturity	777	25	5.8	73.5	118.8
Asphyxia and atelectosis	776.9	24	5.6	70.6	87.5
Birth injury	764-768: .0-.3,772	18	4.2		62.5
Pneumonia	480-486	12	2.8		
Accidents	800-949	6	1.4		
Under 1 year - Females					
All causes		339	100.0	1027.3	1145.2
Congenital anomalies	740-759	92	27.1	278.8	274.2
Immaturity	777	24	7.1	72.7	93.5
Asphyxia and atelectosis	776.9	17	5.0		64.5
Birth injury	764-768: .0-.3,772	7	2.1		
Accidents	800-949	6	1.8		
1-4 years - Males					
All causes		102	100.0	73.9	68.4
Accidents	800-949	31	30.4	22.5	25.6
Cancer	140-209	14	13.7		
Congenital anomalies	740-759	13	12.7		
Influenza and pneumonia	470-486	6	5.9		
1-4 years - Females					
All causes		59	100.0	44.4	54.3
Accidents	800-949	13			18.1
Congenital anomalies	740-759	12			
Cancer	140-209	7			
5-9 years - Males					
All causes		71	100.0	37.2	36.5
Accidents	800-949	42		22.0	20.3
Cancer	140-209	15			
5-9 years - Females					
All causes		49	100.0	26.5	26.1
Accidents	800-949	17			
Cancer	140-209	13			
10-14 years - Males					
All causes		93	100.0	43.5	44.5
Accidents	800-949	50		23.4	26.0
Cancer	140-209	10			
Suicide	950-959	6			
Congenital anomalies	740-759	5			
10-14 years - Females					
All causes		45	100.0	22.0	22.1
Accidents	800-949	17			9.7
Cancer	140-209	8			

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*Percents calculated on basis of less than 100 deaths give an exaggerated impression of the numbers involved and are subject to large random error.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1978

P. 3 of 5 pages (Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1978 Rate**	Five year average rate**
15-24 years - Males					
All causes		704	100.0	151.1	147.0
Accidents	800-949	445	63.2	95.5	92.3
Suicide	950-959	114	16.2	24.5	20.8
Cancer	140-209	45	6.4	9.7	9.7
Homicide and legal intervention	960-978	25	3.6	5.4	5.8
Diseases of the heart	393-398,402,404,410-429	15	2.1		
Influenza and pneumonia	470-486	5	0.7		
15-24 years - Females					
All causes		241	100.0	51.9	49.4
Accidents	800-949	120	49.8	25.9	23.8
Suicide	950-959	24	10.0	5.2	4.9
Cancer	140-209	16	6.6		4.3
Homicide and legal intervention	960-978	14	5.8		
25-34 years - Males					
All causes		499	100.0	137.8	142.9
Accidents	800-949	228	45.7	63.0	58.7
Suicide	950-959	79	15.8	21.8	23.0
Cancer	140-209	41	8.2	11.3	14.3
Diseases of the heart	393-398,402,404,410-429	39	7.8	10.8	9.9
Homicide and legal intervention	960-978	22	4.4	6.1	7.8
Diabetes mellitus	250	11	2.2		
25-34 years - Females					
All causes		230	100.0	64.2	68.0
Accidents	800-949	57	24.8	15.9	16.5
Cancer	140-209	57	24.8	15.9	14.2
Suicide	950-959	24	10.4	6.7	7.9
Cerebrovascular disease	430-438	13	5.7		
Diseases of the heart	393-398,402,404,410-429	12	5.2		
Homicide and legal intervention	960-978	12	5.2		
35-44 years - Males					
All causes		511	100.0	215.6	234.6
Diseases of the heart	393-398,402,404,410-429	143	28.0	60.3	64.1
Cancer	140-209	101	19.8	42.6	39.7
Accidents	800-949	96	18.8	40.5	42.2
Suicide	950-959	49	9.6	20.7	20.7
Cirrhosis of liver	571	16	3.1		11.4
Cerebrovascular disease	430-438	14	2.7		9.3
Homicide and legal intervention	960-978	8	1.6		
Diabetes mellitus	250	8	1.6		
35-44 years - Females					
All causes		324	100.0	134.4	144.4
Cancer	140-209	107	33.0	44.4	46.9
Diseases of the heart	393-398,402,404,410-429	49	15.1	20.3	16.5
Accidents	800-949	33	10.2	13.7	15.6
Cerebrovascular disease	430-438	23	7.1	9.5	10.7
Suicide	950-959	22	6.8	9.1	10.3
Cirrhosis of liver	571	16	4.9		

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*Percents calculated on basis of less than 100 deaths give an exaggerated impression of the numbers involved and are subject to large random error.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical poing distinguishing statistically reliable rates.

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS

Wisconsin, 1978

P. 4 of 5 pages

(Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1978 Rate**	Five year average rate**
45-54 years - Males					
All causes		1,478	100.0	648.2	648.1
Diseases of the heart	393-398,402,404,410-429	584	39.5	256.1	259.8
Cancer	140-209	390	26.4	171.1	156.9
Accidents	800-949	107	7.2	46.9	44.8
Cerebrovascular disease	430-438	56	3.8	24.6	25.9
Cirrhosis of liver	571	51	3.5	22.4	29.3
Suicide	950-959	46	3.1	20.2	25.5
45-54 years - Females					
All causes		862	100.0	360.7	355.4
Cancer	140-209	386	44.8	161.5	153.8
Diseases of the heart	393-398,402,404,410-429	169	19.6	70.7	64.1
Cerebrovascular disease	430-438	46	5.3	19.2	23.5
Cirrhosis of liver	571	46	5.3	19.2	17.9
Accidents	800-949	42	4.9	17.6	15.9
Suicide	950-959	26	3.0	10.9	12.4
55-64 years - Males					
All causes		3,410	100.0	1,705.0	1,751.0
Diseases of the heart	393-398,402,404,410-429	1,471	43.1	735.5	762.9
Cancer	140-209	970	28.4	485.0	461.4
Cerebrovascular disease	430-438	146	4.3	73.0	90.6
Cirrhosis of liver	571	108	3.2	54.0	54.0
Accidents	800-949	107	3.1	53.5	57.4
Other diseases of circulatory system	441-458	71	2.1	35.5	40.1
Suicide	950-959	56	1.6	28.0	31.2
55-64 years - Females					
All causes		1,905	100.0	877.9	875.9
Cancer	140-209	761	39.9	350.7	350.5
Diseases of the heart	393-398,402,404,410-429	537	28.2	247.5	245.5
Cerebrovascular disease	430-438	112	5.9	51.6	59.1
Cirrhosis of liver	571	60	3.1	27.6	26.4
Accidents	800-949	52	2.7	24.0	20.9
Diabetes mellitus	250	49	2.6	22.6	23.6
Other diseases of circulatory system	441-458	41	2.2	18.9	17.7
65-69 years - Males					
All causes		2,572	100.0	3,136.6	3,443.6
Diseases of the heart	393-398,402,404,410-429	1,104	42.9	1,346.3	1,529.5
Cancer	140-209	676	26.3	824.4	851.3
Cerebrovascular disease	430-438	161	6.3	196.3	234.6
Other diseases of circulatory system	441-458	75	2.9	91.5	109.[illegible]
Cirrhosis of liver	571	55	2.1	67.1	69.2
Accidents	800-949	47	1.8	57.3	75.6
65-69 years - Females					
All causes		1,582	100.0	1,598.0	1,702.2
Diseases of the heart	393-398,402,404,410-429	609	38.5	615.2	620.9
Cancer	140-209	515	32.6	520.2	545.1
Cerebrovascular disease	430-438	121	7.6	122.2	153.8
Diabetes mellitus	250	47	3.0	47.5	51.6
Other diseases of circulatory system	441-458	36	2.3	36.4	47.3
Accidents	800-949	30	1.9	30.3	31.9
70-74 years - Males					
All causes		3,103	100.0	4,925.4	5,169.5
Diseases of the heart	393-398,402,404,410-429	1,423	45.9	2,258.7	2,322.0
Cancer	140-209	739	23.8	1,173.0	1,183.1
Cerebrovascular disease	430-438	247	8.0	392.1	471.2
Other diseases of circulatory system	441-458	102	3.3	161.9	154.2
Influenza and pneumonia	470-486	66	2.1	104.8	122.0
Accidents	800-949	42	1.4	66.7	91.5

*Percents calculated on basis of less than 100 deaths give an exaggerated impression of the numbers involved and are subject to large random error.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1978

P. 5 of 5 pages (Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1978 Rate**	Five year average rate**
70-74 years - Females					
All causes		2,032	100.0	2,572.2	2,739.7
Diseases of the heart	393-398,402,404,410-429	817	40.2	1,034.2	1,143.8
Cancer	140-209	544	26.8	688.6	668.5
Cerebrovascular disease	430-438	213	10.5	269.6	331.5
Diabetes mellitus	250	61	3.0	77.2	91.8
Other diseases of circulatory system	441-458	53	2.6	67.1	68.5
75-79 years - Males					
All causes		3,033	100.0	7,397.6	7,928.2
Diseases of the heart	393-398,402,404,410-429	1,367	45.1	3,334.1	3,579.5
Cancer	140-209	634	20.9	1,546.3	1,543.6
Cerebrovascular disease	430-438	289	9.5	704.9	915.4
Other diseases of circulatory system	441-458	88	2.9	214.6	225.6
Influenza and pneumonia	470-486	88	2.9	214.6	266.7
Accidents	800-949	54	1.8	131.7	138.5
75-79 years - Females					
All causes		2,589	100.0	4,623.2	4,939.6
Diseases of the heart	393-398,402,404,410-429	1,192	46.0	2,128.6	2,252.8
Cancer	140-209	503	19.4	898.2	905.7
Cerebrovascular disease	430-438	318	12.3	567.9	737.7
Diabetes mellitus	250	83	3.2	148.2	135.8
Influenza and pneumonia	470-486	58	2.2	103.6	128.3
Other diseases of circulatory system	441-458	51	2.0	91.1	118.9
80-84 years - Males					
All causes		2,860	100.0	11,440.0	11,520.0
Diseases of the heart	393-398,402,404,410-429	1,309	45.8	5,236.0	5,320.0
Cancer	140-209	511	17.9	2,044.0	1,888.0
Cerebrovascular disease	430-438	301	10.5	1,204.0	1,412.0
Influenza and pneumonia	470-486	129	4.5	516.0	528.0
Other diseases of circulatory system	441-458	91	3.2	364.0	328.0
General arteriosclerosis	440	83	2.9	332.0	304.0
80-84 years - Females					
All causes		3,039	100.0	7,792.3	7,805.1
Diseases of the heart	393-398,402,404,410-429	1,427	47.0	3,659.0	3,643.6
Cerebrovascular disease	430-438	476	15.7	1,220.5	1,341.0
Cancer	140-209	425	14.0	1,090.0	1,094.9
Influenza and pneumonia	470-486	122	4.0	312.8	266.7
Other diseases of circulatory system	441-458	95	3.1	243.6	205.1
General arteriosclerosis	440	91	3.0	233.3	238.5
85 years and over - Males					
All causes		3,197	100.0	17,761.1	18,431.2
Diseases of the heart	393-398,402,404,410-429	1,507	47.1	8,372.2	8,787.5
Cerebrovascular disease	430-438	416	13.0	2,311.1	2,568.8
Cancer	140-209	383	12.0	2,127.8	2,106.3
Influenza and pneumonia	470-486	207	6.5	1,150.0	1,100.0
General arteriosclerosis	440	144	4.5	800.0	850.0
85 years and over - Females					
All causes		4,923	100.0	13,675.0	14,293.8
Diseases of the heart	393-398,402,404,410-429	2,526	51.3	7,016.7	7,100.0
Cerebrovascular disease	430-438	757	15.4	2,102.8	2,468.8
Cancer	140-209	410	8.3	1,138.9	1,203.1
Influenza and pneumonia	470-486	265	5.4	736.1	709.4
General arteriosclerosis	440	234	4.8	650.0	787.5

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**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 9

LIVE BIRTHS BY COUNTY
Wisconsin, 1969-1973 and 1974-1978

P. 1 of 4 pages

(Resident Data)

County	1969	1970	1971	1972	1973	Five year average 1969-1973	Five year rate	1974	1975	1976	1977	1978	Five year average 1974-1978	Five year rate
Total..........	74,324	77,455	71,976	64,719	62,796	70,254	15.7	65,150*	65,145	65,042	68,548	68,573**	66,492	14.4
Adams............	126	139	136	131	142	135	14.4	128	145	140	127	163	141	12.4
Ashland..........	261	252	230	242	206	238	14.2	211	216	228	247	268	234	14.1
Barron...........	500	571	566	498	474	522	15.2	473	504	529	578	593	535	14.5
Bayfield.........	185	164	159	141	134	157	13.5	153	150	174	182	175	167	13.1
Brown............	2,897	3,112	2,862	2,524	2,424	2,764	17.1	2,645	2,600	2,622	2,715	2,624	2,641	15.2
Buffalo..........	195	234	235	179	188	206	14.9	197	162	203	217	217	199	13.9
Burnett..........	137	130	127	125	128	129	13.7	118	133	157	151	154	143	12.3
Calumet..........	516	559	477	472	447	494	17.8	484	445	453	489	462	467	16.3
Chippewa.........	896	926	812	771	776	836	17.2	746	734	780	797	825	776	15.8
Clark............	498	509	524	429	432	478	15.7	497	508	478	547	536	513	16.0
Columbia.........	661	675	626	547	555	613	15.2	584	566	549	590	637	585	13.8
Crawford.........	219	239	245	235	219	231	15.0	228	229	229	268	246	240	14.7
Dane.............	5,310	5,358	4,750	4,146	3,871	4,687	15.7	3,970	3,963	3,912	4,242	4,183	4,054	13.2
Dodge............	1,084	1,199	1,118	1,002	970	1,075	15.4	1,034	1,034	1,015	1,112	1,107	1,060	14.5
Door.............	285	268	252	273	281	272	13.3	298	334	332	411	374	350	15.4
Douglas..........	683	706	723	725	594	686	15.2	650	627	689	606	657	646	14.4
Dunn.............	428	465	465	448	380	437	14.9	433	396	420	460	466	435	13.5
Eau Claire.......	1,136	1,172	1,157	1,014	944	1,085	15.7	972	935	959	1,039	1,062	993	13.3
Florence.........	50	46	43	46	46	46	14.6	43	31	47	63	36	44	11.9
Fond du Lac......	1,423	1,499	1,344	1,258	1,279	1,361	15.9	1,308	1,258	1,311	1,413	1,361	1,330	15.2
Forest...........	125	123	136	129	124	127	16.4	122	108	127	141	150	130	16.0
Grant............	817	860	758	741	738	783	15.9	748	781	821	839	791	796	15.8
Green............	442	457	462	412	406	436	16.2	426	447	440	425	428	433	14.8
Green Lake.......	261	284	271	240	250	261	15.4	224	251	263	218	248	241	13.9
Iowa.............	314	317	323	294	256	301	15.5	282	295	291	325	268	292	14.7
Iron.............	73	80	83	72	80	78	11.8	72	78	78	84	66	76	11.5
Jackson..........	230	280	268	232	221	246	15.9	226	208	216	284	273	241	15.0
Jefferson........	932	1,014	968	904	839	931	15.3	964	909	885	948	918	925	14.3
Juneau...........	282	289	312	304	264	290	15.6	288	272	278	328	333	300	15.8
Kenosha..........	1,945	2,108	1,918	1,752	1,662	1,877	15.7	1,750	1,766	1,679	1,767	1,711	1,734	14.0
Kewaunee.........	288	287	322	283	267	289	15.2	308	271	299	282	330	298	15.1
La Crosse........	1,342	1,422	1,311	1,115	1,094	1,257	15.3	1,110	1,121	1,119	1,195	1,250	1,159	13.2
Lafayette........	276	290	301	236	251	271	15.3	278	267	303	291	302	288	15.8
Langlade.........	311	281	305	271	257	285	14.8	276	290	273	305	308	290	14.5
Lincoln..........	359	411	367	371	373	376	15.8	342	320	311	396	367	347	13.4
Manitowoc........	1,300	1,398	1,276	1,077	1,134	1,237	14.9	1,108	1,138	1,209	1,195	1,232	1,176	14.2
Marathon.........	1,673	1,728	1,704	1,471	1,550	1,625	16.5	1,688	1,618	1,675	1,752	1,707	1,688	16.1

*One live birth, county unknown in 1974, included in total only.
**One live birth, county unknown in 1978, included in total only.

Table 9 (Cont.)

LIVE BIRTHS BY COUNTY
Wisconsin, 1969-1973 and 1974-1978

(Resident Data)

P. 2 of 4 pages

County	1969	1970	1971	1972	1973	Five year average 1969-1973	Five year rate	1974	1975	1976	1977	1978	Five year average 1974-1978	Five year rate
Marinette.........	500	460	504	450	449	473	13.1	470	501	500	571	599	528	13.7
Marquette.........	106	129	122	134	107	120	13.3	141	152	124	168	154	148	13.8
Menominee.........	73	82	73	70	72	74	28.5	56	64	76	83	96	75	27.8
Milwaukee.........	18,630	19,222	17,719	15,538	14,862	17,194	16.3	14,893	14,891	14,450	14,898	14,555	14,737	14.7
Monroe............	517	515	523	482	451	498	15.7	467	482	481	491	503	485	14.3
Oconto............	355	391	380	391	356	375	14.5	378	413	428	410	460	418	14.9
Oneida............	359	376	377	342	322	355	14.2	337	384	378	396	379	375	12.8
Outagamie.........	2,134	2,283	2,010	1,737	1,733	1,979	16.3	1,950	2,009	1,942	2,058	2,070	2,005	15.9
Ozaukee...........	865	867	885	810	727	831	14.7	818	843	820	978	898	871	13.3
Pepin.............	103	130	122	97	100	110	14.8	98	111	109	108	119	109	14.3
Pierce............	454	486	497	471	438	469	17.2	434	428	429	452	452	439	14.8
Polk..............	369	435	461	410	415	418	15.4	443	458	430	434	496	452	14.8
Portage...........	846	837	790	703	752	786	16.2	763	764	781	831	926	813	15.4
Price.............	205	218	207	220	211	212	14.5	215	206	215	227	218	216	13.5
Racine............	2,932	3,034	2,818	2,473	2,376	2,727	15.7	2,633	2,587	2,563	2,620	2,697	2,620	14.9
Richland..........	264	280	262	221	222	250	14.8	227	267	210	257	274	247	14.7
Rock..............	2,453	2,517	2,299	2,014	1,977	2,252	17.0	2,050	1,964	2,003	2,005	2,109	2,026	15.1
Rusk..............	222	235	230	212	195	219	15.3	228	221	251	239	230	234	15.1
St. Croix.........	626	664	620	586	587	617	17.4	636	639	632	700	739	669	16.9
Sauk..............	702	727	650	624	572	655	16.7	621	625	597	606	603	610	15.0
Sawyer............	143	143	157	144	148	147	14.9	157	158	161	157	175	162	14.3
Shawano...........	487	490	446	509	478	482	14.7	495	475	438	478	516	480	13.6
Sheboygan.........	1,556	1,666	1,450	1,373	1,452	1,499	15.4	1,481	1,436	1,502	1,505	1,406	1,466	14.6
Taylor............	304	251	316	282	259	282	16.3	289	293	308	321	332	309	16.6
Trempealeau.......	416	414	397	356	339	384	16.4	351	347	338	357	364	351	14.4
Vernon............	329	378	350	347	331	347	14.2	335	291	345	340	336	329	13.3
Vilas.............	131	150	144	137	178	148	13.2	143	139	156	190	172	160	11.5
Walworth..........	955	1,009	903	812	829	902	14.0	784	804	853	991	969	880	13.3
Washburn..........	121	164	158	150	164	151	14.2	146	190	170	195	180	176	13.4
Washington........	1,144	1,236	1,100	1,026	1,175	1,136	17.3	1,195	1,197	1,226	1,318	1,342	1,256	16.4
Waukesha..........	3,522	3,647	3,232	2,953	2,965	3,264	13.7	3,100	3,250	3,232	3,507	3,596	3,337	12.8
Waupaca...........	577	583	640	523	568	578	15.2	524	568	551	598	683	585	14.2
Waushara..........	204	235	225	208	211	217	14.6	188	235	223	263	208	223	13.3
Winnebago.........	2,064	2,157	1,884	1,784	1,576	1,893	14.4	1,730	1,681	1,627	1,650	1,754	1,688	12.8
Wood..............	1,196	1,192	1,089	1,020	943	1,088	16.4	989	962	999	1,117	1,134	1,040	15.1

Table 9 (Cont.)

DEATHS BY COUNTY
Wisconsin, 1969-1973 and 1974-1978

P. 3 of 4 pages

(Resident Data)

County	1969	1970	1971	1972	1973	Five year average 1969-1973	Five year rate	1974	1975	1976	1977	1978	Five year average 1974-1978	Five year rate
Total...........	41,084	40,827	40,393	42,074	41,293	41,134	9.2	40,811*	39,916**	40,191***	39,325	40,285	40,106	8.7
Adams.............	128	122	123	149	123	129	13.7	144	154	154	134	134	144	12.6
Ashland...........	233	216	212	212	205	216	12.9	240	213	248	228	193	224	13.5
Barron............	407	385	426	450	453	424	12.3	416	394	394	383	406	399	10.8
Bayfield..........	159	176	178	161	161	167	14.3	168	138	146	165	160	155	12.2
Brown.............	1,138	1,115	1,179	1,192	1,176	1,160	7.2	1,142	1,112	1,236	1,129	1,188	1,161	6.7
Buffalo...........	142	147	147	149	149	147	10.7	124	147	158	146	132	141	9.9
Burnett...........	132	150	142	153	142	144	15.2	165	148	132	128	143	143	12.3
Calumet...........	181	217	185	226	210	204	7.4	226	180	193	210	205	203	7.1
Chippewa..........	454	457	461	433	393	440	9.1	437	437	451	448	443	443	9.0
Clark.............	327	348	329	359	333	339	11.1	339	309	328	317	362	331	10.3
Columbia..........	437	443	430	470	452	446	11.1	494	443	459	423	424	449	10.6
Crawford..........	191	160	180	176	156	173	11.2	170	183	169	163	156	168	10.3
Dane..............	1,957	1,885	1,856	1,837	1,912	1,889	6.3	1,894	1,825	1,872	1,788	1,943	1,864	6.1
Dodge.............	684	682	667	699	693	685	9.8	704	676	668	679	705	686	9.4
Door..............	247	244	266	263	285	261	12.8	255	254	230	272	256	253	11.1
Douglas...........	561	549	535	595	513	551	12.2	538	490	523	423	502	495	11.0
Dunn..............	262	284	286	291	284	281	9.6	269	279	293	226	278	269	8.3
Eau Claire........	662	558	657	620	562	612	8.9	599	607	600	620	598	605	8.1
Florence..........	38	38	40	39	41	39	12.4	45	42	54	48	48	47	12.7
Fond du Lac.......	842	828	713	869	823	815	9.5	815	786	769	791	782	789	9.0
Forest............	119	101	97	111	87	103	13.3	83	96	92	115	114	100	12.3
Grant.............	522	504	482	470	466	489	9.9	459	425	490	469	492	467	9.3
Green.............	299	300	280	329	307	303	11.3	311	284	282	309	314	300	10.3
Green Lake........	217	216	229	213	209	217	12.8	211	205	190	231	227	213	12.2
Iowa..............	221	240	269	246	222	240	12.3	211	205	222	201	215	211	10.7
Iron..............	86	129	76	73	85	90	13.6	98	86	100	101	96	96	14.5
Jackson...........	193	198	173	181	191	187	12.1	193	173	164	206	202	188	11.7
Jefferson.........	599	567	551	552	594	573	9.4	539	558	585	574	607	573	8.9
Juneau............	230	239	236	252	265	244	13.2	224	218	224	202	220	218	11.5
Kenosha...........	946	1,037	1,003	970	1,055	1,002	8.4	1,025	1,002	1,008	1,008	964	1,001	8.1
Kewaunee..........	171	186	189	207	219	194	10.2	174	169	173	205	180	180	9.1
La Crosse.........	697	708	740	785	752	736	8.9	775	739	745	749	799	761	8.7
Lafayette.........	211	201	179	196	205	198	11.2	171	163	173	156	158	164	9.0
Langlade..........	220	253	241	252	213	236	12.3	212	208	184	201	239	209	10.5
Lincoln...........	302	245	278	307	286	284	11.9	303	255	265	280	264	273	10.6
Manitowoc.........	786	754	802	822	812	795	9.6	812	755	737	704	748	751	9.1
Marathon..........	830	838	847	844	904	853	8.6	831	752	801	786	834	801	7.6

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* Two deaths, counties unknown in 1974 are included in total only.

** Five deaths, counties unknown in 1975 are included in total only.

*** One death, county unknown in 1976, included in total only.

Table 9 (Cont.)

DEATHS BY COUNTY
Wisconsin, 1969-1973 and 1974-1978

(Resident Data)

P. 4 of 4 pages

County	1969	1970	1971	1972	1973	Five year average 1969-1973	Five year rate	1974	1975	1976	1977	1978	Five year average 1974-1978	Five year rate
Marinette.........	436	476	409	452	452	445	12.3	416	476	443	450	465	450	11.7
Marquette.........	127	132	128	118	141	129	14.3	127	136	126	128	157	135	12.6
Menominee.........	35	22	42	33	20	30	11.5	30	22	30	31	33	29	10.7
Milwaukee.........	10,129	9,894	9,856	10,294	10,081	10,051	9.5	9,838	9,524	9,436	9,045	9,088	9,386	9.3
Monroe............	350	327	351	367	322	343	10.8	318	345	310	324	325	324	9.5
Oconto............	311	305	323	305	330	315	12.2	305	288	320	325	290	306	10.9
Oneida............	293	293	290	313	291	296	11.8	304	277	290	312	285	294	10.1
Outagamie.........	863	831	862	902	836	859	7.1	942	837	884	924	844	886	7.0
Ozaukee...........	353	344	317	367	385	353	6.2	405	387	371	391	419	395	6.0
Pepin.............	71	79	83	78	85	79	10.6	74	83	72	75	90	79	0.4
Pierce............	249	257	248	246	236	247	9.1	255	239	249	231	204	[illegible]	7.9
Polk..............	281	301	295	290	330	299	11.0	307	339	330	320	343	328	10.8
Portage...........	337	373	381	360	387	368	7.6	363	375	390	375	378	376	7.1
Price.............	185	193	181	205	172	187	12.8	220	209	183	151	214	195	12.2
Racine............	1,402	1,449	1,368	1,396	1,376	1,398	8.0	1,380	1,366	1,373	1,343	1,387	1,370	7.8
Richland..........	200	205	203	191	197	199	11.8	164	211	169	156	181	176	10.5
Rock..............	1,226	1,156	1,126	1,258	1,199	1,193	9.0	1,163	1,195	1,185	1,097	1,174	1,163	8.6
Rusk..............	146	188	152	169	153	162	11.3	165	192	150	140	165	162	10.5
St. Croix.........	304	305	281	304	313	301	8.5	303	292	343	328	324	318	8.0
Sauk..............	455	427	400	454	419	431	11.0	418	430	404	438	409	420	10.3
Sawyer............	148	139	144	158	167	151	15.3	139	152	151	141	146	146	12.9
Shawano...........	389	386	387	389	369	384	11.7	391	361	403	396	401	390	11.0
Sheboygan.........	1,004	991	983	961	978	983	10.1	991	980	929	948	906	951	9.5
Taylor............	171	170	165	172	162	168	9.7	165	168	162	175	179	170	9.1
Trempealeau.......	327	324	288	326	263	306	13.0	290	277	303	306	313	298	12.2
Vernon............	311	327	311	305	351	321	13.1	308	307	265	325	278	297	12.0
Vilas.............	168	160	147	155	143	155	13.8	171	164	161	183	198	175	12.6
Walworth..........	633	682	625	724	655	664	10.3	616	666	651	600	612	629	9.5
Washburn..........	155	146	141	159	134	147	13.8	150	150	156	157	153	153	11.7
Washington........	510	448	476	498	549	496	7.5	504	467	508	548	563	518	6.7
Waukesha..........	1,458	1,479	1,409	1,557	1,512	1,483	6.2	1,485	1,500	1,586	1,480	1,646	1,539	5.9
Waupaca...........	483	443	474	494	483	475	12.5	516	525	545	483	569	528	12.8
Waushara..........	209	211	209	193	240	212	14.3	200	214	191	195	210	202	12.0
Winnebago.........	991	1,093	1,113	1,152	1,090	1,088	8.3	1,048	1,110	1,042	1,076	1,080	1,071	8.1
Wood..............	543	551	541	576	534	549	8.3	522	537	567	510	525	532	7.7

Natality

NATALITY

Since 1940, fertility patterns of Wisconsin women of childbearing age have shown a double reversal of trend. 1940 was the end of a long period of declining fertility. Thereafter, the fertility rates increased steadily through 1960, especially for women in their twenties. In 1960, we had 13,000 fewer women aged 20-24, for instance, than in 1940, but we had approximately 16,500 more births to this age group, a 98% increase in births.

Text Table 1 summarizes the changing fertility rates of women 20-24 over the past 39 years. From an historic low in 1940 of 128.7 per thousand it rose by 1950 to 208.5, an increase of nearly 80 per thousand. In the fifties it rose another 76 per thousand to 284.0. In the sixties the decline was even more dramatic than the previous increase, 117 per thousand; 1970 to 1978 saw a further decline of 61.6 per thousand.

Text Table 1

FERTILITY RATES FOR WOMEN 20-24
(Births per 1000 Women)
Wisconsin, 1940-1978

Year	Women 20-24	Resident Live Births	Rate per 1000 women
1940	130,594	16,803	128.7
1950	124,815	26,018	208.5
1960	117,347	33,322	284.0
1970	178,952	29,822	166.6
1971	195,000	27,722	142.2
1972	201,000	23,736	118.1
1973	193,000	22,139	114.7
1974	210,000	23,614	112.4
1975	205,000	23,137	112.9
1976	208,000	22,531	108.3
1977	225,000	23,516	104.5
1978	221,000	23,197	105.0

The change since 1960 has shown a dramatic reversal to lower fertility rates. The decline in fertility rates by age has ranged from 77% for women 35 years and older to 43% for those under twenty. In 1978, the rates for all ages are now below the 1950 rates, and for women 20 and older the rates are now below the 1940 rates (Text Table 2).

Text Table 2

AGE-SPECIFIC FERTILITY RATES
(Per 1000 Wonen in Each Age Group)
Wisconsin, 1940-1978

	Census Year						
Age Group	1940	1950	1960	1970	1976	1977	1978
15-19	29.9	48.9	64.4	45.1	35.7	38.5	36.5
20-24	128.7	208.6	284.0	166.6	108.3	104.5	105.0
25-29	131.4	192.3	235.3	161.9	120.2	117.7	117.8
30-34	87.9	121.8	141.0	82.6	62.4	63.7	63.1
35-39	49.2	61.4	75.6	39.7	19.3	20.9	18.8
40-44	17.0	17.7	21.7	11.4	5.0	5.3	4.5
45+	7.4	5.5	5.5	3.1	0.2	0.2	0.2
Total Fertility Rate	2228	3259	4116	2540	1755	1753	1729

The row labelled "Total Fertility Rate" (TFR) summarizes the changes in this measure of fertility. The rate is computed by summing the age-specific rates for all childbearing ages and multiplying by the number of years in the interval (5). It can be interpreted as the number of children that would be born to a cohort of one thousand women if, at all childbearing ages, they bore children at the age-specific rates observed in the reference year. Since, at present death rates and with a sex ratio at birth of 105 males per 100 females, it requires a little over 2,100 births per thousand females to replace themselves in the next generation, the total fertility rate gives us a measure of the fertility growth factor in the population. Thus, as the TFR exceeds 2,100, the next generation will have a larger childbearing population than the present and when the TFR declines below 2,100 for any extended period, the next childbearing generation will be smaller.

In 1940, the TFR for Wisconsin was very close to replacement. By 1950 it had risen by 46% to 3,259, and by 1960 by 85% to 4,116. Had that TFR continued, the childbearing population would have doubled in a single generation. The decline of the TFR in the sixties was greater than the rise in either the forties or the fifties, and the single year decline between 1971 and 1972 shows the most rapid decline of any year for which we have detailed data. The TFR for 1971 is almost as low as the 1940 rate, and the continued decline since 1971 results in a TFR for 1978 that is more than 18% below replacement.

Lest someone leap to conclusions about imminent population decline and the social, economic, and moral tribulations that are thought to be the concomitants of such decline, it must be emphasized that:

1. We are a long way from *Zero Population Growth*. To achieve ZPG in the short run we would need either to reduce the birth rate by 41% or increase the death rate by 70% or effect some combination of those changes.

2. Replacement level fertility does not mean *Zero Population Growth*. It only means that should several generations of women maintain their childbearing at that level, the population would eventually stabilize at a size very little larger than it is today, given our present age-specific death rates.

3. The decline during 1970-1978 (see text table 2) may in part be a temporary phenomenon. It is probable that some of the decline represents postponement of births. Whether or not postponed births are ever realized depends on a number of factors including employment opportunities for men and women, cost of living, ideas about ideal family size, and availability of contraception and abortion.

Table 14

LIVE BIRTHS BY COUNTY AND LIVE BIRTHS BY WEDLOCK STATUS
BY RACE AND SEX
Wisconsin, 1978

P. 1 of 2 pages

(Resident Data)

County	Total Live Births		White		Black		Indian		Other		Unknown	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
State Total.....	35,224	33,348	32,721*	30,819	2,017	2,045	271	290	153	147	62	47
In Wedlock....	30,909	29,199	29,764	28,088	783	768	151	155	149	141	62	47
Out-of-Wedlock	4,315	4,149	2,957	2,731	1,234	1,277	120	135	4	6		
Adams..........	85	78	85	76				1				1
Ashland........	130	138	125	120		1	4	15			1	2
Barron.........	270	323	268	319			2	2				2
Bayfield.......	88	87	77	80			10	6		1	1	
Brown..........	1,361	1,263	1,320	1,236	6	4	25	15	9	8	1	
Buffalo........	96	121	95	121							1	
Burnett........	77	77	72	71			5	5		1		
Calumet........	243	219	243	219								
Chippewa.......	430	394	428	393			1		1			1
Clark..........	284	252	283	250				2			1	
Columbia.......	338	299	336	297	1	1	1					1
Crawford.......	129	117	128	117			1					
Dane...........	2,146	2,037	2,050	1,934	66	70	2	6	27	25	1	2
Dodge..........	603	504	599	499	2	2			1	3	1	
Door...........	180	194	180	190				2		2		
Douglas........	333	324	325	311	4	1	3	8	1			4
Dunn...........	227	239	225	236	1	1			1	1		1
Eau Claire.....	515	547	508	535	1	2	3	4	3	6		
Florence.......	21	15	21	15								
Fond du Lac....	703	658	701	654	1		1			4		
Forest.........	82	68	74	62			8	6				
Grant..........	421	370	420	369		1			1			
Green..........	193	235	193	235								
Green Lake.....	121	127	119	125			1	2	1			
Iowa...........	152	116	152	116								
Iron...........	33	33	32	33			1					
Jackson........	141	132	133	124			8	8				
Jefferson......	478	440	478	438						2		
Juneau.........	173	160	169	156			3	4	1			
Kenosha........	874	837	826	802	35	30	2	2	7	3	4	
Kewaunee.......	190	140	188	139			2	1				
La Crosse......	693	557	687	553	2	2	2	1	2	1		
Lafayette......	163	139	163	139								
Langlade.......	147	161	145	161			1				1	
Lincoln........	192	175	192	175								
Manitowoc......	661	571	653	558	1	1	5	7	2	5		
Marathon.......	898	809	889	806			3	1	4	2	2	
Marinette......	305	294	303	294					1		1	
Marquette......	77	77	76	76	1			1				
Menominee......	43	53	1	3			42	50				
Milwaukee......	7,354	7,201	5,544	5,388	1,675	1,693	54	52	45	43	36	25
Monroe.........	276	227	273	225	1	1	2	1				
Oconto.........	241	219	236	216			5	3				
Oneida.........	201	178	199	175			2	3				
Outagamie......	1,070	1,000	1,047	982		1	16	10	6	7	1	

*One live birth, white male, county unknown, included in total only.
One unknown sex, not included in total.

Table 14 (Cont.)

LIVE BIRTHS BY COUNTY AND LIVE BIRTHS BY WEDLOCK STATUS BY RACE AND SEX
Wisconsin, 1978

P. 2 of 2 pages

(Resident Data)

County	Total Live Births		White		Black		Indian		Other		Unknown	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Ozaukee.........	466	432	458	426	4	3			4	3		
Pepin...........	63	56	63	56								
Pierce..........	233	219	229	218	1		1			1	2	
Polk............	233	263	231	263			2					
Portage.........	475	451	468	443	2		2	3	2	4	1	1
Price...........	107	111	106	111	1							
Racine..........	1,368	1,329	1,199	1,154	163	168	2	4	4	1		2
Richland........	146	128	145	126			1			1		1
Rock............	1,100	1,009	1,057	961	38	43	2	2	3	2		1
Rusk............	127	103	126	103					1			
St. Croix.......	386	353	384	353			1		1			
Sauk............	304	299	300	296			4	3				
Sawyer..........	91	84	78	64		1	12	19			1	
Shawano.........	279	237	265	224	1		12	13	1			
Sheboygan.......	721	685	716	681	1	2	2		2	1		1
Taylor..........	184	148	184	148								
Trempealeau.....	195	169	195	168				1				
Vernon..........	186	150	185	150					1			
Vilas...........	83	89	78	79			5	10				
Walworth........	503	466	498	456	3	7			2	3		
Washburn........	91	89	90	88			1	1				
Washington......	694	648	692	647							2	1
Waukesha........	1,885	1,711	1,862	1,690	4	5		6	16	9	3	1
Waupaca.........	343	340	343	340								
Waushara........	99	109	99	109								
Winnebago.......	869	885	860	872	2	4	5	4	1	5	1	
Wood............	554	580	548	570		1	4	6	2	3		

Infant Data

Table 21

LIVE BIRTHS OF CHILDREN BORN WITH REPORTED CONGENITAL MALFORMATIONS, BY AGE OF MOTHER
Wisconsin, 1978

(Resident Data)

Congenital Malformations	ICDA	Total		Age of Mother							
		Male	Female	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+
Anencephalus	740	8	8		2	3	6	3	2		
Spina Bifida	741	14	14		4	7	12	5			
Congenital hydrocephalus	742	11	8		4	5	4	6			
Other of nervous system	743	3	7		2	2	4	1	1		
Eye	744	2				2					
Ear, face and neck	745	19	13	1	7	13	7	4			
Heart	746	33	25		5	18	18	12	4		1
Circulatory system	747	12	10		3	6	7	5	1		
Respiratory system	748	8	5		4	7	1	1			
Cleft palate and cleft lip	749	41	30	1	18	19	21	9	3		
Other of upper alimentary canal	750	13	9		1	5	9	4	3		
Other of digestive system	751	13	10		3	9	8	3			
Genital organs	752	88	4		17	35	27	6	6	1	
Urinary system	753	14	11		4	8	3	8	2		
Clubfoot	754	36	33		17	24	20	7	1		
Other of limbs	755	69	72		20	47	50	19	5		
Other of musculoskeletal system	756	10	10		3	4	7	6			
Unspecified of skin, hair and nails	757	19	19		5	14	12	6	1		
Other & unspecified congenital malformations	758	6	11		5	4	7		1		
Congenital syndromes affecting multiple systems	759	39	33		2	20	25	7	9	9	
Other*		51	57		20	40	27	14	5	2	
Total		509	389	2	146	292	275	126	44	12	1

Birth certificates do not identify all infants with Congenital Malformations because a diagnosis may not have been made prior to completion of the birth certificate.

This table is not strictly comparable to similar tables published for earlier years. The eighth revision of the ICDA, first used for coding in 1968, expanded the number of causes in the general category Congenital Malformations, bringing within this category causes which had been listed elsewhere in previous revisions. The two causes now included which contribute most to the difference are Club Foot (ICDA number 754) and Down's Syndrome (Mongolism) included under ICDA number 759.

*Malformations outside the ICDA 740-759 range.

Table 23

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1978

P. 1 of 7 pages (Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
State Total	68,573*	68,388	421	427	40,285	40,165	769	758
Urban	45,912	65,196	254	383	27,691	33,463	500	704
Balance of State	22,660	3,192	167	44	12,594	6,702	269	54
ADAMS	163	112	2		134	118	2	
ASHLAND	268	366	2	2	193	215	4	2
Ashland (C)	119	362	2	2	118	184	1	2
Balance of County	149	4			75	31	3	
BARRON	593	665	6	4	406	383	7	5
Rice Lake (C)	106	383	1	2	98	143	4	2
Balance of County	487	282	5	2	308	240	3	3
BAYFIELD	175	32	1	1	160	96	3	3
BROWN	2,624	3,443	17	21	1,188	1,503	16	63
Allouez (T)	176	5			67	19		
Ashwaubenon (V)	222	4	1		75	57	1	
De Pere (C)	198		2		89	17		
Green Bay (C)	1,336	3,426	9	21	746	1,339	12	62
Hobart (T)	52				16	3		
Howard (V)	131		1		28	8	1	
Suamica (T)	55	2			13	1		
Balance of County	454	6	4		154	59	2	1
BUFFALO	217	59			132	81	3	
BURNETT	154	90	4	2	143	109	2	1
CALUMET	462	238	4	1	205	152	6	1
Appleton (C)(Pt.)	73	1	2		16	2	1	
Brillion (C)	42				19	6		
Chilton (C)	46	231		1	39	102		1
Harrison (T)	45		1		12	4		
Kiel (C)(Pt.)	8				2			
New Holstein (C)	46				37	19		
Balance of County	202	6	1		80	19	5	
CHIPPEWA	825	656	10	9	443	423	13	5
Bloomer (C)	45	131	1		51	78	1	1
Chippewa Falls (C)	211	442	1	6	140	180	4	3
Eau Claire (C)(Pt.)	26				1	1		
Hallie (T)	67		1		17	2	1	
Lafayette (T)	54		1		19	5		
Balance of County	422	83	6	3	215	157	7	1
CLARK	536	142	7	1	362	225	5	2
Neillsville (C)	31	129			58	101	1	1
Balance of County	505	13	7	1	304	124	4	1
COLUMBIA	637	493	5		424	380	8	4
Columbus (C)	58	156			49	82		
Portage (C)	116	332	1		107	175	4	3
Balance of County	463	5	4		268	123	4	1
CRAWFORD	246	246	2		156	141	3	2
Prairie du Chien (C)	74	242			64	102		1
Balance of County	172	4	2		92	39	3	1

In cases where a city lies in more than one county, the events for each part (Pt.) are allocated to the appropriate county.

One, county unknown, included in state total.

The 1978 fetal death counts for the State and for Milwaukee county are deficient by 116. The certificate for these deaths were not received from the Milwaukee Cith Health Department until nine months after the filing deadline by which time the file preparation and tabulation had been completed.

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY Wisconsin, 1978

P. 2 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
DANE	4,183	4,964	28	55	1,943	2,727	41	91
Dunn (T)	63				20	4	1	
Fitchburg (T)	154	1	1		24	8	2	1
Madison (C)	2,031	4,799	19	55	1,099	1,935	19	87
Madison (T)	74	4			24	4		
Middleton (C)	187	1	2		50	15	3	
Monona (C)	68				60	23	1	1
Oregon (V)	73				20	7		
Stoughton (C)	100	149	1		101	153	2	2
Sun Prairie (C)	229	2			75	41	2	
Verona (C)	57				25	21	1	
Balance of County	1,147	8	5		445	516	10	
DODGE	1,107	1,091	10	9	705	747	11	2
Beaver Dam (C)	201	527	2	3	172	302		
Horicon (C)	48		1		25	5		
Mayville (C)	73		1		36	5		
Watertown (C) (Pt.)	87	387	1		77	211	1	
Waupun (C) (Pt.)	64	174			50	99		1
Balance of County	634	3	5	6	345	125	10	1
DOOR	374	290	2	1	256	188	7	3
Sturgeon Bay (C)	131	289		1	103	146	1	3
Balance of County	243	1	2		153	42	6	
DOUGLAS	657	261	1	1	502	396	10	1
Superior (C)	465	260	1	1	371	332	6	1
Balance of County	192	1			131	64	4	
DUNN	466	403	7	3	278	215	7	2
Menomonie (C)	110	402	1	3	108	160	2	1
Balance of County	356	1	6		170	55	5	1
EAU CLAIRE	1,062	1,565	10	19	598	737	12	14
Altoona (C)	70		1	19	22	2	1	
Eau Claire (C)(Pt.)	600	1,565	7		422	683	5	13
Washington (T)	107		1		29	5	1	
Balance of County	285		1		125	47	5	1
FLORENCE	36				48	32	1	1
FOND DU LAC	1,361	1,472	10	9	782	758	14	11
Fond du Lac (C)	518	1,329	4	8	382	579	6	10
Fond du Lac (T)	34				27	3		
No.Fond du Lac (V)	72		1		26	1	1	
Ripon (C)	88	137	1	1	84	122	1	
Taycheedah (T)	50	1			13	2		
Waupun (C)(Pt.)	34				27	2	1	
Balance of County	565	5	4		223	49	5	1
FOREST	150	1			114	61	4	2
GRANT	791	580	3		492	428	8	2
Boscobel (C)	36	74			49	65	2	1
Lancaster (C)	67	252			52	101	1	
Platteville (C)	88	112			89	81	2	
Balance of County	600	142	3		302	181	3	1
GREEN	428	593	7	5	314	358	5	4
Brodhead (C)	39	1	2		35	13		
Monroe (C)	120	589	2	5	124	250	4	4
Balance of County	269	3	3		155	95	1	
GREEN LAKE	248	200	3	2	227	177	2	
Berlin (C)(Pt.)	79	200	1	2	84	121	2	
Balance of County	169		2		143	56		

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY Wisconsin, 1978

P. 3 of 7 pages

Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
IOWA....................	268	144	3	1	215	167	3	1
Dodgeville (C)........	35	144	2	1	46	99		
Balance of County.....	233		1		169	68	3	1
IRON....................	66		1		96	51	2	
JACKSON.................	273	297	7	3	202	179		1
Black River Falls (C).	42	297	1	3	60	139		1
Balance of County.....	231		6		142	40		
JEFFERSON...............	918	345	10	2	607	433	9	2
Fort Atkinson (C).....	128	337	1	2	103	228	1	2
Jefferson (C).........	87	2	2		52	14	1	
Jefferson (T).........	35				56	111		
Koshkonong (T)........	36		1		20	4	2	
Lake Mills (C)........	52	1	1		53	18		
Watertown (C)(Pt.)....	174	1	2		122	16	3	
Whitewater (C)(Pt.)...	7				2	1		
Balance of County.....	399	4	3		199	41	2	
JUNEAU..................	333	131	3	1	220	134	3	3
Mauston (C)...........	39	126		1	45	57		1
Balance of County.....	294	5	3		175	77	3	2
KENOSHA.................	1,711	1,511	15	13	964	866	22	12
Bristol (T)...........	57				23	8		
Kenosha (C)...........	1,127	1,508	13	12	698	768	14	12
Pleasant Prairie (T)..	136		1		48	19	2	
Salem (T).............	110	1	1	1	52	19	2	
Somers (T)............	76				30	12	1	
Balance of County.....	205	2			113	40	3	
KEWAUNEE................	330	169	4	3	180	150	4	
Algoma (C)............	49	72	1	1	48	56	1	
Kewaunee (C)..........	53	96	1	2	39	74		
Balance of County.....	228	1	2		93	20	3	
LA CROSSE...............	1,250	2,295	7	22	799	1,170	14	40
Campbell (T)..........	55				19	5		
La Crosse (C).........	547	2,294	4	22	538	1,000	4	40
Onalaska (C)..........	160		1		68	69	5	
Onalaska (T)..........	99	1			17	3	1	
Shelby (T)............	71				15	8		
Balance of County.....	318		2		142	85	4	
LAFAYETTE...............	302	112			158	97	3	2
LANGLADE................	308	373	2		239	217	2	1
Antigo (C)............	150	370	1		132	170		1
Balance of County.....	158	3	1		107	47	2	
LINCOLN.................	367	329	2	1	264	259	10	4
Merrill (C)...........	124	238	1	1	114	138	2	2
Tomahawk (C)..........	39	91			64	113	2	2
Balance of County.....	204		1		86	8	6	
MANITOWOC...............	1,232	1,052	8	7	748	647	11	4
Kiel (C)(Pt.).........	45				26	5	1	
Manitowoc (C).........	444	679	6	7	417	473	4	
Manitowoc Rapids (T)..	34	3			17	10		
Two Rivers (C)........	190	361			109	107	3	3
Two Rivers (T)........	45	3			14	3		
Balance of County.....	474	6	2		165	49	3	1

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY Wisconsin, 1978

P. 4 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
MARATHON................	1,707	1,390	20	16	834	755	22	12
Kronewetter (T).......	96		2		17	10		
Marshfield (C)(Pt.)...	3				1			
Rib Mountain (T)......	66				20	8		
Rothschild (V)........	58				27	5		
Schofield (C).........	40		2		29	1	3	
Stettin (T)...........	52		3		24	12	1	
Wausau (C)............	450	1,385	4	16	357	551	4	11
Weston (T)............	185				40	60	1	
Balance of County.....	757	5	9		319	108	13	1
MARINETTE...............	599	834	4	4	465	434	14	11
Marinette (C).........	191	831	2	4	167	297	6	9
Peshtigo (C)..........	38		1		49	20	1	1
Peshtigo (T)..........	49		1		36	23		
Balance of County.....	321	3			213	94	7	1
MARQUETTE...............	154	1	2	1	157	70	4	2
MENOMINEE...............	96	1			33	13	1	
MILWAUKEE...............	14,555	16,568	22	29	9,088	9,555	140	204
Bayside (V)(Pt.)......	39				48	25	2	
Brown Deer (V)........	125	1			62	11	1	
Cudahy (C)............	257	741	3	7	152	374	2	5
Fox Point (V).........	45				63	15		
Franklin (C)..........	214				70	2	2	
Glendale (C)..........	104				172	117		
Greendale (C).........	169	1			57	1	1	
Greenfield (C)........	369	2	1		228	62	4	
Hales Corners (V).....	74	1			56	12	1	
Milwaukee (C)(Pt.)....	10,706	12,832	15	1	6,307	6,870	109	137
Oak Creek (C).........	257		1		83	2		
St. Francis (C).......	156				83	21	2	
Shorewood (V).........	161	1			176	56		
So. Milwaukee (C).....	308	1	1		158	38	1	
Wauwatosa (C).........	541	1,138		11	545	1,251	4	44
West Allis (C)........	804	1,849	1	10	663	673	9	18
West Milwaukee (V)....	40				43	8	1	
Whitefish Bay (V).....	176	1			110	14	1	
Balance of County.....	10				12	3		
MONROE..................	503	277	7	1	325	369	8	1
Sparta (C)............	101	80	1		80	78	3	
Tomah (C).............	102	192	1	1	74	216	1	1
Balance of County.....	300	5	5		171	75	4	
OCONTO..................	460	195	1		290	236	9	1
Oconto (C)............	73	74			58	60	2	
Oconto Falls (C)......	39	117			48	118	2	1
Balance of County.....	348	4	1		184	58	5	
ONEIDA..................	379	746	3	5	285	400	5	3
Pelican (T)...........	45		1		16	7		
Rhinelander (C).......	83	494		3	110	197	1	2
Balance of County.....	251	252	2	2	159	196	4	1

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY Wisconsin, 1978

P. 5 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
OUTAGAMIE..............	2,070	2,353	9	11	844	903	25	9
Appleton (C)(Pt.).....	812	1,966	3	9	441	670	15	7
Combined Locks (V)....	30				4		1	
Freedom (T)...........	67				11	2		
Grand Chute (T).......	126	2			54	18	2	
Greenville (T)........	47	1	1		9	2	1	1
Kaukauna (C)..........	210	131	1	2	62	49		
Kimberly (V)..........	85				30	6		
Little Chute (V)......	147		3		43	35		
New London (C)(Pt.)...	23	248			11	80		1
Oneida (T)............	61				19	7	2	
Balance of County.....	462	5	1		160	34	4	
OZAUKEE................	898	298			419	307	9	1
Bayside (V)(Pt.)......								
Cedarburg (C).........	152	2			83	56	1	
Cedarburg (T).........	16				19	5	2	
Grafton (T)...........	14				17	3	1	
Grafton (V)...........	174	1			29	13	1	
Mequon (C)............	160	1			102	83	2	
Port Washington (C)...	127	289			72	133	1	1
Thiensville (V).......	25				30	6	1	
Balance of County.....	230	5			67	8		
PEPIN..................	119	131	2		90	81	1	
PIERCE.................	452	5			204	80	5	1
River Falls (C)(Pt.)..	82	3			31	1	2	
Balance of County.....	370	2			173	79	3	1
POLK...................	496	555	10	11	343	330	6	4
PORTAGE................	926	914	9	8	378	350	11	9
Hull (T)..............	93		2		9		1	
Plover (V)............	116		1		15	3	1	
Stevens Point (C).....	303	906	4	8	196	279	5	9
Balance of County.....	414	8	2		158	68	4	
PRICE..................	218	158	2	2	214	169	1	1
Park Falls (C)........	49	154		1	43	103	1	
Balance of County.....	169	4	2	1	171	66		1
RACINE.................	2,697	2,791	21	20	1,387	1,335	24	15
Burlington (C)........	141	660	1	2	97	215		3
Burlington (T)........	82	1			38	8		
Caledonia (T).........	254	1	3		83	30		
Dover (T).............	37		1		24	15		
Mt. Pleasant (T)......	212	3			144	146	1	
Norway (T)............	35				19	4		
Racine (C)............	1,537	2,124	13	18	811	874	23	12
Raymond (T)...........	37				11	5		
Sturtevant (V)........	90	1	1		17	4		
Union Grove (V).......	68	1			32	6		
Waterford (T).........	32		2		27	10		
Yorkville (T).........	46				12	5		
Balance of County.....	126				72	13		
RICHLAND...............	274	324	1	1	181	151	3	2
Richland Center (C)...	78	317		1	64	94	1	2
Balance of County.....	196	7	1		117	57	2	

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY Wisconsin, 1978

P. 6 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
ROCK....................	2,109	2,306	19	21	1,174	1,075	28	17
Beloit (C)............	656	840	2	4	391	417	10	4
Beloit (T)............	46				54	2	1	
Edgerton (C)..........	66	62	2	1	75	108		
Evansville (C)........	33		2	1	41	23	1	1
Janesville (C)........	811	1,397	8	15	362	347	11	10
Janesville (T)........	49	1			28	63	1	
Milton (C)............	68		1		30	5		
Rock (T)..............	8				39	55	1	
Turtle (T)............	28				11	4		
Balance of County.....	344	6	4		143	51	3	2
RUSK....................	230	169			165	134	5	1
Ladysmith (C).........	64	167			54	107	2	
Balance of County.....	166	2			111	27	3	1
ST. CROIX...............	739	654	5	4	324	320	7	3
Hudson (C)............	121	175			43	63	2	1
New Richmond (C)......	86	193			48	70		
River Falls (C)(Pt.)..	27	162		1	47	78	1	1
Balance of County.....	505	124	5	3	186	109	4	1
SAUK....................	603	589	2	1	409	432	11	6
Baraboo (C)...........	105	287	1	1	98	147	2	2
Reedsburg (C).........	54	138			52	65	3	2
Balance of County.....	444	164	1		259	220	6	2
SAWYER..................	175	134	1	3	146	128	2	1
SHAWANO.................	516	431	3	2	401	321	11	6
Shawano (C)...........	96	429		2	105	219	4	5
Balance of County.....	420	2	3		296	102	7	1
SHEBOYGAN...............	1,406	1,469	11	10	906	880	12	5
Lima (T)..............	37				10	7		
Plymouth (C)..........	92	96	2	1	67	72	1	1
Sheboygan (C).........	680	1,367	5	9	520	634	5	3
Sheboygan (T).........	45				25	6		
Sheboygan Falls (C)...	67		2		38	9	1	
Wilson (T)............	34				14	6		
Balance of County.....	451	6	2		232	146	5	1
TAYLOR..................	332	342	2	3	179	159	4	2
Medford (C)...........	67	337	2	3	42	106	1	2
Balance of County.....	265	5			137	53	3	
TREMPEALEAU.............	364	177	6	4	313	252	2	
VERNON..................	336	425	2	1	278	263	2	1
Viroqua (C)...........	33	273		1	62	123		
Balance of County.....	303	152	2		216	140	2	1
VILAS...................	172	22	4		198	151		
WALWORTH................	969	352	8	3	612	453	17	5
Delavan (C)...........	88		2		48	13		
Delavan (T)...........	45	1	2		2	5		
East Troy (T).........	49				15	6	1	1
Elkhorn (C)...........	60				54	14		
Geneva (T)............	42	348		3	51	293	1	4
Lake Geneva (C).......	85		1		68	15	3	
Whitewater (C)(Pt.)...	89		1		55	14	1	
Balance of County.....	511	3	2		319	93	11	
WASHBURN................	180	237		3	153	167	3	4

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1978

P. 7 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
WASHINGTON..............	1,342	981	8	7	563	496	8	9
Germantown (V)........	131				39	9		
Hartford (C)..........	141	437		1	69	126	3	6
Jackson (T)...........	34	1	1		11	3	1	
Milwaukee (C)(Pt.)....								
Polk (T)..............	36				21	6		
Richfield (T).........	87				26	11		
Trenton (T)...........	46	1	1		16	4		
West Bend (C).........	416	538	3	6	150	235	1	2
West Bend (T).........	39				97	88		
Balance of County.....	412	4	3		134	14	3	1
WAUKESHA................	3,596	3,461	16	19	1,646	1,673	37	20
Brookfield (C)........	306	798	1	3	202	240	3	5
Brookfield (T)........	18	1			11	5		
Delafield (C).........	71	2			27	20	2	
Delafield (T).........	51	2	1		14	6		
Elm Grove (V).........	36				63	35		
Genesee (T)...........	66				17	2	1	
Hartland (V)..........	106	1	1		32	10	1	
Lisbon (T)............	73				19	4		
Menomonee Falls (V)...	292	809	1	2	149	221	5	2
Merton (T)............	51				14	3	1	
Muskego (C)...........	209		1		86	43	1	
New Berlin (C)........	340	1	3		108	84	2	
Oconomowoc (C)........	139	509		3	132	241	3	3
Oconomowoc (T)........	53		1		44	9		
Pewaukee (T)..........	68				60	115		
Pewaukee (V)..........	90		1		65	39		
Summit (T)............	37				29	70		
Sussex (V)............	84	1			25	3	3	
Vernon (T)............	77				11	6		
Waukesha (C)..........	917	1,332	3	11	343	472	8	9
Waukesha (T)..........	53		1		26	8		
Balance of County.....	459	5	2		169	37	7	1
WAUPACA.................	683	428	2	1	569	457	15	3
Clintonville (C)......	59	140	1	1	61	90		
New London (C)........	95				58	42	3	1
Waupaca (C)...........	86	273			87	133	3	1
Balance of County.....	443	15	1		363	192	9	1
WAUSHARA................	208	145	1	1	210	194	5	1
Berlin (C)(Pt.).......								
Balance of County.....	208	145	1	1	210	194	5	1
WINNEBAGO...............	1,754	1,897	8	11	1,080	1,121	22	46
Algoma (T)............	24				11	5		
Appleton (C)(Pt.).....	2							
Menasha (C)...........	239	1	1		116	10	1	
Menasha (T)...........	194	1			53	27	4	
Neenah (C)............	352	1,213	3	9	169	413	2	42
Neenah (T)............	39		1		13	1		
Oshkosh (C)...........	555	678	1	2	492	571	8	4
Oshkosh (T)...........	57	1			49	46	3	
Balance of County.....	292	3	2		177	48	4	
WOOD....................	1,134	1,908	7	26	525	931	13	61
Grand Rapids (T)......	92				24	4		
Marshfield (C)(Pt.)...	296	1,288	3	23	150	640	5	59
Saratoga (T)..........	75				16	5		
Wisconsin Rapids (C)..	265	616	2	3	166	199	5	2
Balance of County.....	406	4	2		169	83	3	

Table 23a

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY PREMATURE AND TERM BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1978

P. 1 of 7 pages (Resident Data)

Area	Live Births			Infant Deaths[a]				Neonatal Deaths[a]				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk
State Total............	68573*	3844	64729*	761	422	328	11	519	370	149	-	421	289	132	-
Urban................	45747	2707	43040	491	274	212	5	340	239	101		255	176	79	
Balance of State......	22825	1137	21688	270	148	116	6	179	131	48		166	113	53	
ADAMS..................	163	13	150	2	2			2	2			2	2		
ASHLAND................	268	15	253	4	2	2		3	2	1		2	1	1	
Ashland (C)...........	119	7	112	1		1						2	1	1	
Balance of County.....	149	8	141	3	2	1		3	2	1					
BARRON.................	593	38	555	7	4	3		5	3	2		6	5	1	
Rice Lake (C).........	106	7	99	4	3	1		3	2	1		1	1		
Balance of County.....	487	31	456	3	1	2		2	1	1		5	4	1	
BAYFIELD...............	175	7	168	3	1	2		1	1			1	1		
BROWN..................	2624	124	2500	16	8	7	1	9	6	3		17	13	4	
Allouez (T)...........	176	7	169												
Ashwaubenon (V).......	222	9	213	1	1			1	1			1	1		
De Pere (C)...........	198	2	196									2	2		
Green Bay (C).........	1336	73	1263	12	6	5	1	6	4	2		9	7	2	
Hobart (T)............	52	1	51												
Howard (V)............	131	6	125	1		1		1		1		1		1	
Suamico (T)...........	55	3	52												
Balance of County.....	454	23	431	2	1	1		1	1			4	3	1	
BUFFALO................	217	15	202	3	1	2		2	1	1					
BURNETT................	154	6	148	2		2						4	2	2	
CALUMET................	462	18	444	6	3	3		2	2			4	2	2	
Appleton (C)(Pt.).....	73		73	1	1			1	1			2		2	
Brillion (C)..........	42	2	40												
Chilton (C)...........	46	2	44												
Harrison (T)..........	45	1	44									1	1		
Kiel (C)(Pt.).........	8		8												
New Holstein (C)......	46	2	44												
Balance of County.....	202	11	191	5	2	3		1	1			1	1		
CHIPPEWA...............	825	45	780	13	6	7		9	5	4		10	7	3	
Bloomer (C)...........	45	1	44	1		1		1		1		1		1	
Chippewa Falls (C)....	211	11	200	4	2	2		4	2	2		1	1		
Eau Claire (C)(Pt.)...	26	1	25												
Hallie (T)............	67	9	58	1	1							1	1		
Lafayette (T).........	54	3	51									1	1		
Balance of County.....	422	20	402	7	3	4		4	3	1		6	4	2	
CLARK..................	536	13	523	5	3	2		4	2	2		7	5	2	
Neillsville (C).......	31		31	1	1			1	1						
Balance of County.....	505	13	492	4	2	2		3	1	2		7	5	2	
COLUMBIA...............	637	32	605	8	4	3	1	5	4	1		5	3	2	
Columbus (C)..........	58	1	57												
Portage (C)...........	116	7	109	4	2	1	1	2	2			1	1		
Balance of County.....	463	24	439	4	2	2		3	2	1		4	2	2	
CRAWFORD...............	246	7	239	3	1	2		2	1	1		2	2		
Prairie du Chien (C)..	74	2	72												
Balance of County.....	172	5	167	3	1	2		2	1	1		2	2		

a). This table is not comparable to other infant death tables because of a difference in source. The infant death data in this table are from matched death and birth records.

In cases where a city lies in more than one county, the events for each part (Pt.) are allocated to the appropriate county.

Definitions: Premature: 2500 grams or less (5 lbs. 8 oz. or under)
Term: 2501 grams or more (more than 5 lbs. 8 oz.)

The 1978 fetal death counts for the State and for Milwaukee county are deficient by 116. The certificate for these deaths were not received from the Milwaukee City Health Department until nine months after the filing deadline by which time the file preparation and tabulation had been completed.

*One live birth (Term), county unknown, included in total.

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY PREMATURE AND TERM BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1978

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(Resident Data)

Area	Live Births			Infant Deaths[a]				Neonatal Deaths[a]				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk
DANE....................	4183	226	3957	41	20	21		27	18	9		28	21	7	
Dunn (T)........	63	2	61	1		1									
Fitchburg (T).........	154	10	144	2	1	1		2	1	1		1	1		
Madison (C)...........	2031	117	1914	19	7	12		10	5	5		19	14	5	
Madison (T)...........	74	2	72												
Middleton (C).........	187	11	176	3	3			3	3			2	2		
Monona (C)............	68	4	64	1		1									
Oregon (V)............	73	5	68												
Stoughton (C).........	100	7	93	2	1	1		1	1			1	1		
Sun Prairie (C).......	229	15	214	2	1	1		1	1						
Verona (C)............	57	1	56												
Balance of County.....	1147	52	1095	11	7	4		10	7	3		5	3	2	
DODGE..................	1107	47	1060	11	6	5		8	5	3		10	5	5	
Beaver Dam (C)........	201	8	193									2	2		
Horicon (C)...........	48	3	45									1		1	
Mayville (C)..........	73	6	67	1	1			1	1			1		1	
Watertown (C)(Pt.)....	87	6	81									1		1	
Waupun (C)(Pt.).......	64		64												
Balance of County.....	634	24	610	10	5	5		7	4	3		5	3	2	
DOOR....................	374	22	352	7	3	4		5	3	2		2	2		
Sturgeon Bay (C)......	131	5	126	1	1			1	1						
Balance of County.....	243	17	226	6	2	4		4	2	2		2	2		
DOUGLAS................	657	43	614	10	6	3	1	8	6	2		1		1	
Superior (C)..........	465	35	430	6	3	2	1	5	3	2		1		1	
Balance of County.....	192	8	184	4	3	1		3	3						
DUNN....................	466	25	441	7	5	2		7	5	2		7	6	1	
Menomonie (C).........	110	4	106	2	1	1		2	1	1		1	1		
Balance of County.....	356	21	335	5	4	1		5	4	1		6	5	1	
EAU CLAIRE.............	1062	59	1003	12	5	7		6	4	2		10	5	5	
Altoona (C)...........	63		63	1		1						1		1	
Eau Claire (C)(Pt.)...	600	29	571	5	3	2		4	3	1		7	4	3	
Washington (T)........	107	6	101	1		1						1		1	
Balance of County.....	292	24	268	5	2	3		2	1	1		1	1		
FLORENCE...............	36		36	1			1								
FOND DU LAC............	1361	65	1296	14	9	5		7	7			10	8	2	
Fond du Lac (C).......	518	31	487	6	4	2		4	4			4	3	1	
Fond du Lac (T).......	34	1	33												
No. Fond du Lac (V)...	72	1	71	1	1							1		1	
Ripon (C).............	88	3	85	1	1			1	1			1	1		
Taycheedah (T)........	50	1	49												
Waupun (C)(Pt.).......	34	2	32	1		1									
Balance of County.....	565	26	539	5	3	2		2	2			4	4		
FOREST.................	150	8	142	4	1	3		1	1						
GRANT..................	791	33	758	8	3	5		5	3	2		3	2	1	
Boscobel (C)..........	36	3	33	2	1	1		1	1						
Lancaster (C).........	67	4	63	1		1		1		1					
Platteville (C).......	88	3	85	2	1	1		2	1	1					
Balance of County.....	600	23	577	3	1	2		1	1			3	2	1	
GREEN..................	428	17	411	5	2	3		3	2	1		7	4	3	
Brodhead (C)..........	39	1	38									2	1	1	
Monroe (C)............	120	2	118	4	1	3		2	1	1		2	1	1	
Balance of County.....	269	14	255	1	1			1	1			3	2	1	
GREEN LAKE.............	248	13	235	2	2			2	2			3	1	2	
Berlin (C)(Pt.).......	79	4	75	2	2			2	2			1		1	
Balance of County.....	169	9	160									2	1	1	

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY PREMATURE AND TERM BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY

Wisconsin, 1978

P. 3 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths[a]				Neonatal Deaths[a]				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk
IOWA....................	268	15	253	3	2	1		2	2			3	2	1	
Dodgeville (C)........	35	3	32									2	1	1	
Balance of County.....	233	12	221	3	2	1		2	2			1	1		
IRON....................	66	6	60	2	2			1	1			1	1		
JACKSON.................	273	8	265									7	7		
Black River Falls (C).	42		42									1	1		
Balance of County.....	231	8	223									6	6		
JEFFERSON...............	918	34	884	8	3	5		6	2	4		10	6	4	
Fort Atkinson (C).....	128	4	124	1		1		1		1		1	1		
Jefferson (C).........	87	6	81									2	2		
Jefferson (T).........	35	2	33												
Koshkonong (T)........	36		36	2	1	1		1		1		1	1		
Lake Mills (C)........	52	2	50									1		1	
Watertown (C)(Pt.)....	174	3	171	3	1	2		2	1	1		2	2		
Whitewater (C)(Pt.)...	7		7												
Balance of County.....	399	17	382	2	1	1		2	1	1		3		3	
JUNEAU..................	333	17	316	3	2	1		1	1			3	2	1	
Mauston (C)...........	39	2	37												
Balance of County.....	294	15	279	3	2	1		1	1			3	2	1	
KENOSHA.................	1711	109	1602	22	13	9		15	11	4		15	11	4	
Bristol (T)...........	57	4	53												
Kenosha (C)...........	1127	72	1055	14	10	4		10	8	2		13	10	3	
Pleasant Prairie (T)..	136	8	128	2	2			2	2			1		1	
Salem (T).............	110	7	103	2		2		1		1		1	1		
Somers (T)............	76	8	68	1	1			1	1						
Balance of County.....	205	10	195	3		3		1		1					
KEWAUNEE................	330	15	315	4	3	1		4	3	1		4	2	2	
Algoma (C)............	49	4	45	1	1			1	1			1	1		
Kewaunee (C)..........	53	2	51									1		1	
Balance of County.....	228	9	219	3	2	1		3	2	1		2	1	1	
LA CROSSE...............	1250	64	1186	14	12	2		12	12			7	5	2	
Campbell (T)..........	55	4	51												
La Crosse (C).........	547	23	524	4	4			4	4			4	3	1	
Onalaska (C)..........	160	14	146	5	5			5	5			1		1	
Onalaska (T)..........	99	9	90	1	1			1	1						
Shelby (T)............	71	2	69												
Balance of County.....	318	12	306	4	2	2		2	2			2	2		
LAFAYETTE...............	302	19	283	3	1	1	1	1	1						
LANGLADE................	308	12	296	2	2			1	1			2	1	1	
Antigo (C)............	150	4	146									1	1		
Balance of County.....	158	8	150	2	2			1	1			1		1	
LINCOLN.................	367	30	337	10	7	3		10	7	3		2	2		
Merrill (C)...........	124	6	118	2	1	1		2	1	1		1	1		
Tomahawk (C)..........	39	2	37	2		2		2		2					
Balance of County.....	204	22	182	6	6			6	6			1	1		
MANITOWOC...............	1232	64	1168	11	7	4		7	6	1		8	6	2	
Kiel (C)(Pt.).........	45	4	41	1	1			1	1						
Manitowoc (C).........	444	25	419	4	2	2		3	2	1		6	4	2	
Manitowoc Rapids (T)..	34	1	33												
Two Rivers (C)........	190	10	180	3	2	1		1	1						
Two Rivers (T)........	45		45												
Balance of County.....	474	24	450	3	2	1		2	2			2	2		

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY PREMATURE AND TERM
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1978

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(Resident Data)

Area	Live Births			Infant Deaths[a]				Neonatal Deaths[a]				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk
MARATHON................	1707	76	1631	22	14	7	1	12	9	3		20	11	9	
Kronewetter (T).......	96	4	92									2	2		
Marshfield (C)(Pt.)...	3		3												
Rib Mountain (T)......	66		66												
Rothschild (V)........	58	3	55												
Schofield (C).........	40	2	38	3	2	1		2	1	1		2	1	1	
Stettin (T)...........	52	2	50	1		1		1		1		3	1	2	
Wausau (C)............	450	21	429	4	1	3						4	2	2	
Weston (T)............	185	5	180	1	1			1	1						
Balance of County.....	757	39	718	13	10	2	1	8	7	1		9	5	4	
MARINETTE...............	599	29	570	14	9	5		9	7	2		4	2	2	
Marinette (C).........	191	9	182	6	5	1		4	4			2	1	1	
Peshtigo (C)..........	38	4	34	1		1						1		1	
Peshtigo (T)..........	49	3	46									1	1		
Balance of County.....	321	13	308	7	4	3		5	3	2					
MARQUETTE...............	154	6	148	4	4			2	2			2	1	1	
MENOMINEE...............	96	7	89	1	1			1	1						
MILWAUKEE...............	14555	1003	13552	135	74	60	1	89	60	29		22	14	8	
Bayside (V)(Pt.)......	39	3	36	2	1	1		2	1	1					
Brown Deer (V)........	125	5	120	1	1			1	1						
Cudahy (C)............	257	18	239	2	1	1		2	1	1		3		3	
Fox Point (V).........	45	2	43												
Franklin (C)..........	214	8	206	2	1	1		2	1	1					
Glendale (C)..........	104	4	100												
Greendale (V).........	169	6	163	1	1			1	1						
Greenfield (C)........	369	17	352	3	2	1		2	2			1		1	
Hales Corners (V).....	74	2	72	1	1			1	1						
Milwaukee (C)(Pt.)....	10706	818	9888	106	57	48	1	65	44	21		15	12	3	
Oak Creek (C).........	257	11	246									1		1	
St. Francis (C).......	156	9	147	2	1	1		2	1	1					
Shorewood (V).........	161	9	152												
So. Milwaukee (C).....	308	12	296	1	1			1	1			1	1		
Wauwatosa (C).........	541	22	519	4	2	2		2	2						
West Allis (C)........	804	40	764	8	4	4		6	3	3		1	1		
West Milwaukee (V)....	40	5	35	1	1			1	1						
Whitefish Bay (V).....	176	11	165	1		1		1		1					
Balance of County.....	10	1	9												
MONROE..................	503	33	470	8	5	3		7	5	2		7	3	4	
Sparta (C)............	101	11	90	3	3			3	3			1		1	
Tomah (C).............	102	6	96	1	1			1	1			1		1	
Balance of County.....	300	16	284	4	1	3		3	1	2		5	3	2	
OCONTO..................	460	27	433	9	8	1		8	8			1	1		
Oconto (C)............	73	6	67	2	2			2	2						
Oconto Falls (C)......	39	3	36	2	1	1		1	1						
Balance of County.....	348	18	330	5	5			5	5			1	1		
ONEIDA..................	379	25	354	5	2	3		3	2	1		3	1	2	
Pelican (T)...........	45	1	44									2	1	1	
Rhinelander (C).......	83	8	75	1		1									
Balance of County.....	251	16	235	4	2	2		3	2	1		1		1	

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY PREMATURE AND TERM BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1978

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(Resident Data)

Area	Live Births			Infant Deaths[a]				Neonatal Deaths[a]				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk
OUTAGAMIE................	2070	122	1948	25	11	14		18	11	7		9	9		
Appleton (C)(Pt.).....	811	51	760	15	9	6		13	9	4		3	3		
Combined Locks (V)....	30	1	29	1		1									
Freedom (T)...........	67	3	64												
Grand Chute (T).......	126	8	118	2	1	1		1	1						
Greenville (T)........	47	5	42	1		1						1	1		
Kaukauna (C)..........	210	13	197									1	1		
Kimberly (V)..........	85	3	82												
Little Chute (V)......	147	11	136									3	3		
New London (C)(Pt.)...	23	2	21												
Oneida (T)............	61	2	59	2		2		1		1					
Balance of County.....	463	23	440	4	1	3		3	1	2		1	1		
OZAUKEE.................	898	45	853	9	3	6		6	3	3					
Bayside (V)(Pt.)......															
Cedarburg (C).........	152	5	147	1		1									
Cedarburg (T).........	16	1	15	2	1	1		1	1						
Grafton (T)...........	14		14	1		1		1		1					
Grafton (V)...........	174	7	167	1		1		1		1					
Mequon (C)............	160	10	150	2	1	1		2	1	1					
Port Washington (C)...	127	6	121	1		1									
Thiensville (V).......	25	4	21	1	1			1	1						
Balance of County.....	230	12	218												
PEPIN..................	119	10	109	1	1			1	1			2	2		
PIERCE.................	452	12	440	5	2	1	2	3	2	1					
River Falls (C)(Pt.)..	82	4	78	2		1	1	1		1					
Balance of County.....	370	8	362	3	2		1	2	2						
POLK...................	496	30	466	6	2	2	2	2	2			10	7	3	
PORTAGE................	926	51	875	10	4	6		8	4	4		9	8	1	
Hull (T)..............	93	5	88									2	2		
Plover (V)............	116	3	113	1		1						1	1		
Stevens Point (C).....	303	19	284	5	3	2		4	3	1		4	3	1	
Balance of County.....	414	24	390	4	1	3		4	1	3		2	2		
PRICE..................	218	14	204	1	1			1	1			2		2	
Park Falls (C)........	49	4	45	1	1			1	1						
Balance of County.....	169	10	159									2		2	
RACINE.................	2697	203	2494	24	13	11		18	12	6		21	15	6	
Burlington (C)........	141	8	133									1	1		
Burlington (T)........	82	3	79												
Caledonia (T).........	254	11	243									3	3		
Dover (T).............	37	1	36									1	1		
Mt. Pleasant (T)......	212	16	196	1	1			1	1						
Norway (T)............	35	2	33												
Racine (C)............	1537	142	1395	23	12	11		17	11	6		13	8	5	
Raymond (T)...........	37	3	34												
Sturtevant (V)........	90	6	84									1	1		
Union Grove (V).......	68	2	66												
Waterford (T).........	36	4	32									2	1	1	
Yorkville (T).........	46	1	45												
Balance of County.....	122	4	118												
RICHLAND...............	274	14	260	3	1	2		1	1			1		1	
Richland Center (C)...	78	6	72	1		1									
Balance of County.....	196	8	188	2	1	1		1	1			1		1	

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY PREMATURE AND TERM
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1978

P. 6 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths[a]				Neonatal Deaths[a]				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk
ROCK....................	2109	138	1971	28	16	12		17	13	4		19	13	6	
Beloit (C)...........	656	49	607	10	6	4		8	6	2		2	2		
Beloit (T)...........	46	1	45	1	1			1	1						
Edgerton (C)..........	66	1	65									2	1	1	
Evansville (C)........	33		33	1		1						2	1	1	
Janesville (C)........	811	50	761	11	7	4		6	5	1		8	5	3	
Janesville (T)........	49	5	44	1	1			1	1						
Milton (C)............	68	3	65									1	1		
Rock (T)..............	8		8	1		1		1		1					
Turtle (T)............	28	2	26												
Balance of County.....	344	27	317	3	1	2						4	3	1	
RUSK....................	230	13	217	5	1	4		2	1	1					
Ladysmith (C).........	64	4	60	2		2									
Balance of County.....	166	9	157	3	1	2		2	1	1					
ST. CROIX...............	739	39	700	7	4	3		4	3	1		5	5		
Hudson (C)............	121	10	111	2	1	1		1	1						
New Richmond (C)......	86	3	83												
River Falls (C)(Pt.)..	27	2	25	1	1										
Balance of County.....	505	24	481	4	2	2		3	2	1		5	5		
SAUK....................	603	28	575	11	4	7		6	4	2		2	1	1	
Baraboo (C)...........	105	6	99	2	1	1		1	1			1	1		
Reedsburg (C).........	54	3	51	3	1	2		1	1						
Balance of County.....	444	19	425	6	2	4		4	2	2		1		1	
SAWYER..................	175	6	169	2	1	1		2	1	1		1	1		
SHAWANO.................	516	30	486	11	7	4		6	6			3	1	2	
Shawano (C)...........	96	8	88	4	2	2		2	2						
Balance of County.....	420	22	398	7	5	2		4	4			3	1	2	
SHEBOYGAN...............	1406	53	1353	12	2	10		10	2	8		11	8	3	
Lima (T)..............	37		37												
Plymouth (C)..........	92	3	89	1		1		1		1		2	2		
Sheboygan (C).........	680	29	651	5		5		4		4		5	4	1	
Sheboygan (T).........	45	4	41												
Sheboygan Falls (C)...	67		67	1		1		1		1		2	1	1	
Wilson (T)............	34		34												
Balance of County.....	451	17	434	5	2	3		4	2	2		2	1	1	
TAYLOR..................	332	17	315	4	1	3		1	1			2	1	1	
Medford (C)...........	67	6	61	1		1						2	1	1	
Balance of County.....	265	11	254	3	1	2		1	1						
TREMPEALEAU.............	364	18	346	2	1	1		1	1			6	4	2	
VERNON..................	336	12	324	2		2		1		1		2		2	
Viroqua (C)...........	33	1	32												
Balance of County.....	303	11	292	2		2		1		1		2		2	
VILAS...................	172	9	163									4		4	
WALWORTH................	969	59	910	17	10	7		15	10	5		8	5	3	
Delavan (C)...........	88	4	84									2	1	1	
Delavan (T)...........	45	1	44									2		2	
East Troy (T).........	49		49	1		1									
Elkhorn (C)...........	60		60												
Geneva (T)............	42	8	34	1		1		1		1					
Lake Geneva (C).......	85	5	80	3	3			3	3			1	1		
Whitewater (C)(Pt.)...	89	5	84	1	1			1	1			1	1		
Balance of County.....	511	36	475	11	6	5		10	6	4		2	2		
WASHBURN................	180	6	174	3		3		1		1					

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY PREMATURE AND TERM BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1978

P. 7 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths[a]				Neonatal Deaths[a]				Fetal Deaths			
	Total	Prem	Term	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk	Total	Prem.	Term	Unk
WASHINGTON..............	1342	56	1286	8	5	3		5	4	1		8	4	4	
Germantown (V)........	131	3	128												
Hartford (C)..........	141	10	131	3	3			3	3						
Jackson (T)...........	34	1	33	1		1		1		1		1	1		
Milwaukee (C)(Pt.)....															
Polk (T)..............	36	1	35												
Richfield (T).........	87	4	83												
Trenton (T)...........	46	1	45									1	1		
West Bend (C).........	416	17	399	1	1							3	1	2	
West Bend (T).........	39		39												
Balance of County.....	412	19	393	3	1	2		1	1			3	1	2	
WAUKESHA................	3596	181	3415	36	25	11		30	24	6		16	12	4	
Brookfield (C)........	306	15	291	3	1	2		3	1	2		1		1	
Brookfield (T)........	18		18												
Delafield (C).........	71	2	69	2	1	1		2	1	1					
Delafield (T).........	51	1	50									1	1		
Elm Grove (V).........	36		36												
Genesee (T)...........	69	2	67	1	1			1	1						
Hartland (V)..........	106	3	103	1	1							1	1		
Lisbon (T)............	73	3	70												
Menomonee Falls (V)...	292	20	272	5	3	2		4	3	1		1	1		
Merton (T)............	51	2	49	1		1									
Muskego (C)...........	209	10	199	1	1			1	1			1	1		
New Berlin (C)........	340	15	325	2	2			2	2			3	1	2	
Oconomowoc (C)........	139	8	131	3	2	1		3	2	1					
Oconomowoc (T)........	53	1	52									1	1		
Pewaukee (T)..........	68	2	66												
Pewaukee (V)..........	90	6	84									1	1		
Summit (T)............	37		37												
Sussex (V)............	84	8	76	2	2			2	2						
Vernon (T)............	77	4	73												
Waukesha (C)..........	917	48	869	8	5	3		6	5	1		3	2	1	
Waukesha (T)..........	53	2	51									1	1		
Balance of County.....	456	29	427	7	6	1		6	6			2	2		
WAUPACA.................	683	46	637	15	10	5		12	9	3		2	2		
Clintonville (C)......	59		59									1	1		
New London (C)(Pt.)...	95	5	90	3		3		2		2					
Waupaca (C)...........	86	9	77	3	3			3	3						
Balance of County.....	443	32	411	9	7	2		7	6	1		1	1		
WAUSHARA................	208	10	198	5	3	2		5	3	2		1	1		
Berlin (C)(Pt.).......															
Balance of County.....	208	10	198	5	3	2		5	3	2		1	1		
WINNEBAGO...............	1754	85	1669	22	18	4		19	17	2		8	8		
Algoma (T)............	24	1	23												
Appleton (C)(Pt.).....	2		2												
Menasha (C)...........	239	12	227	1	1			1	1			1	1		
Menasha (T)...........	194	10	184	4	3	1		3	3						
Neenah (C)............	352	11	341	2	2			2	2			3	3		
Neenah (T)............	39		39									1	1		
Oshkosh (C)...........	555	38	517	8	7	1		7	6	1		1	1		
Oshkosh (T)...........	57	3	54	3	2	1		3	2	1					
Balance of County.....	292	10	282	4	3	1		3	3			2	2		
WOOD....................	1134	47	1087	13	8	5		10	8	2		7	7		
Grand Rapids (T)......	2	2													
Marshfield (C)(Pt.)...	296	15	281	5	4	1		4	4			3	3		
Saratoga (T)..........	1	1													
Wisconsin Rapids (C)..	265	16	249	5	2	3		4	2	2		2	2		
Balance of County.....	570	13	557	3	2	1		2	2			2	2		

Mortality

MORTALITY

Between 1910 and 1978, the crude death rate for Wisconsin residents decreased from 12.1 per 1,000 population to 8.6. (Table 7 in Summary of Vital Statistics, p. 17). The 1977 crude death rate of 8.5 is the lowest ever recorded in Wisconsin. In contrast, the highest death rate (13.6) was observed in 1918--this can be attributed largely to the influenza and pneumonia epidemic in that year. (Military deaths are excluded from these tabulations).

Since 1919, the crude death rate fluctuated considerably for a period of about thirty years. The crude death rate from 1948 until 1969 was relatively stable--9.6 per thousand. This apparent stability represents the cancellation of two contrary trends: (1) a gradual aging of the population with its tendency to increase the number of deaths and death rate, and (2) a gradual downward trend in the age-specific death rates.

In 1978, 40,281 deaths occurred to Wisconsin residents; 22,062 decedents were male and 18,219, female. The crude death rate for males (9.6 per 1,000 population) was considerably higher than for females (7.6). This is true at every age, as shown below.

Text Table 3

TOTAL DEATHS AND DEATH RATES BY SEX AND AGE GROUPS
Wisconsin, 1978

Age Groups	Males		Females	
	Number	Rate*	Number	Rate*
Total	22,062	9.6	18,219	7.6
Under 1 year	429	12.6	339	10.3
1- 4	102	0.7	59	0.4
5- 9	71	0.4	49	0.3
10-14	93	0.4	45	0.2
15-24	704	1.5	241	0.5
25-34	499	1.4	230	0.6
35-44	511	2.2	324	1.3
45-54	1,478	6.5	862	3.6
55-64	3,410	17.1	1,905	8.8
65-69	2,572	31.4	1,582	16.0
70-74	3,103	49.3	2,032	25.7
75-79	3,033	74.0	2,589	46.2
80-84	2,860	114.4	3,039	77.9
85+	3,197	177.6	4,923	136.8

*Rate per 1,000 population.

Leading Causes of Death

The first six leading causes of death for 1978 retained their respective standings when compared to 1977. The leading causes of death and cause-specific rates per 100,000 population are displayed in Table 8 in the Summary of Vital Events (pp. 18-22) and Figure 6. Heart disease, cancer and stroke (cerebrovascular disease) together accounted for 70 percent of all Wisconsin deaths in 1978.

In general, the leading causes of death were similar for males and females. The cause-specific rates for heart disease and cancer are higher among males than females (390.2 compared to 308.6; 197.0 compared to 157.4). A closer look at the heart disease rates for the past 5 years (1974-1978) show that both male and female trends have been parallel with the rates fluctuating every other year. The most noticeable change for males was a 6.0% decrease from 1974 to 1975, while the females had a 5.4% increase during 1977-1978.

Cancer is the second leading cause of death overall for all ages for both males (20.5%) and females (20.6%). However, in the 25-34 age group, cancer is third for males and remains second for females.

For the third leading cause of death, Cerebrovascular disease (stroke), the rate is higher among females (87.7) than among males (71.7).

Suicide is more frequent than cancer among males 15-34 (16.0% as compared to 7.1%). This is not true among females since there is a higher percent (15.5) of cancer than suicide (10.2%).

Accidents were the leading cause of death for all ages from 1 to 34, accounting for 48.7 percent of all deaths in these years of life. Among persons aged 15 to 34, 55.9% of male decedents and 37.6% of female decedents died from accidental causes. 63.2% of the 704 male decedents in the age group 15-24 died in accidents, and over 70% of these accidental deaths (445) were due to motor vehicle accidents.

Between ages 35 and 64, cancer was the leading cause of death among females, accounting for 40.6% of deaths in this age range. Among males, however, the leading cause of death at all ages over 34 was heart disease. This cause accounted for 40.7% of all deaths to men in the middle adult years--35-64. These differences regarding the order of importance of certain diseases between the sexes begin to fade away at age 55, as heart disease, cancer and cerebrovascular disease completely dominate the leading causes of death.

Figure 6

LEADING CAUSES OF DEATH BY SEX
Wisconsin, 1978
(Resident Data)

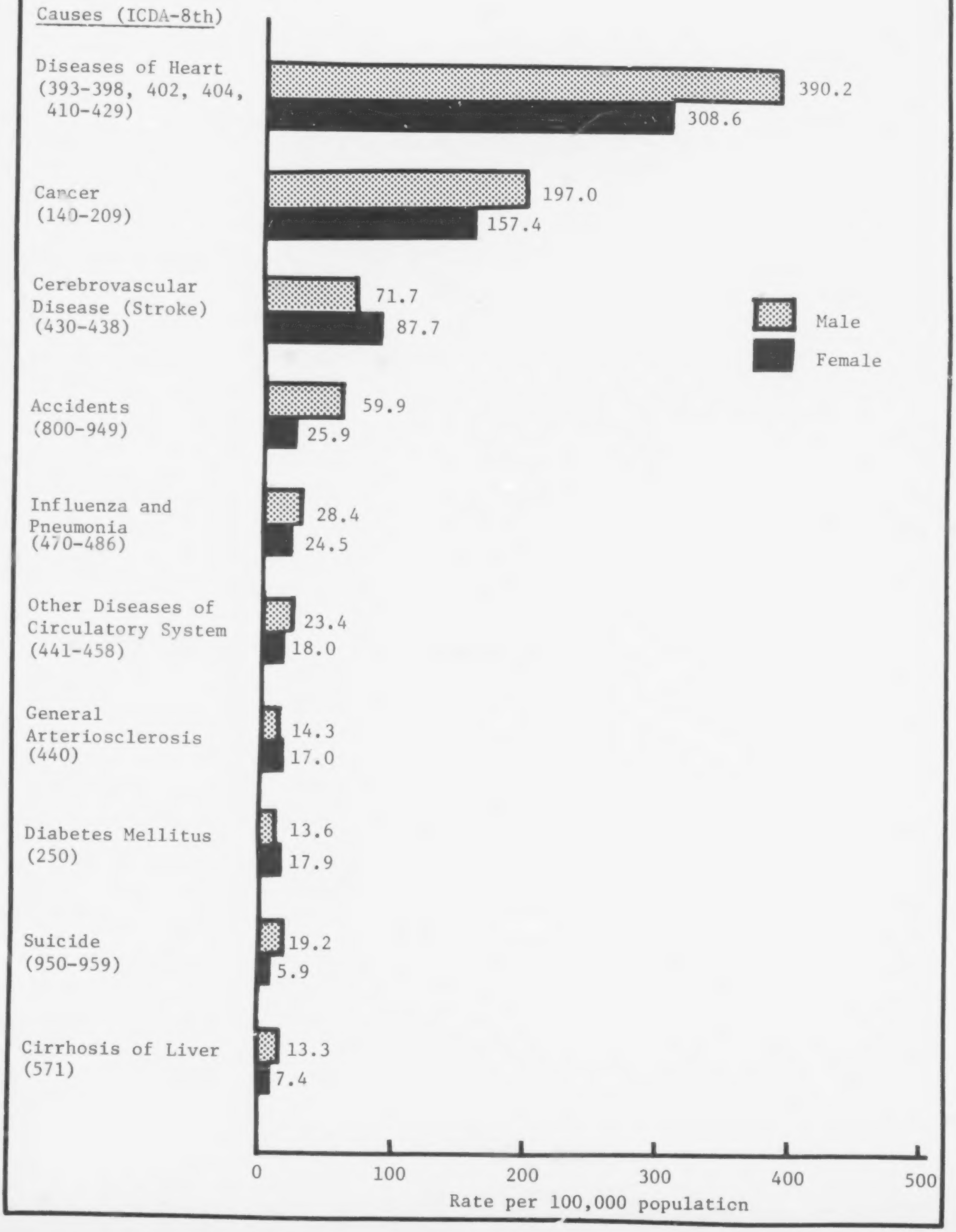

Table 24

INFANT DEATHS* BY CAUSE, AGL AND SEX
Wisconsin, 1978

P. 1 of 2 pages

(Resident Data)

Cause of Death	Under 1 year			Under 1 day a)		Under 7 days a)		Under 28 days a)	
	Total	Male	Female	M	F	M	F	M	F
Total - all causes	** 769	429	339	155	139	247	191	299	225
I. Infective and parasitic diseases 000-136	26	18	8	3	1	9	2	14	5
004,006-009 Dysentery--all forms incl. newborn	7	4	3			2		4	1
036 Meningococcal infection	1		1						
038,039 Septicemia,pyemia/other bacterial	15	12	3	3	1	6	2	8	3
054 Herpes simplex	1	1						1	
056 Rubella (German measles, roseola)	1	1				1		1	
079 Other viral diseases	1		1						1
II. Neoplasms 140-239	5	2	3			1		1	
140-209 Neoplasms, malignant	2	1	1						
140-209 Neoplasms,exc. 201,204-207 Hodgkin's disease, leukemia & aleukemia	2	1	1						
191 Malignant neoplasm of brain	-								
192 Malignant neoplasms/other parts of nervous system	2	1	1						
210-228 Benign neoplasms	3	1	2			1		1	
III. Endocrine system, metabolic and nutritional diseases 240-279	5	2	3	1		1		1	
260-269 Avitaminosis/other deficiency states	4	1	3	1		1		1	
270 Congenital disorders, of amino-acid metabolism	1	1							
IV. Diseases of blood & blood forming organs 280-289	-								
280-285 Anemias									
286-289 Other of blood/blood forming organs									
V. Mental retardation 310-315	-								
315 Unspecified mental retardation									
VI. Diseases of nervous sys. & sense organs 320-389	11	3	8					1	
320 Meningitis	2	1	1					1	
330,343, 347,348,381 Others of nervous system and sense organs	9	2	7						
VII. Diseases of circulatory system 390-458	17	9	8			1		1	
422,427 Other diseases of the heart	10	5	5						
430-438 Cerebrovascular disease	4	2	2						
428,458 Other diseases of circulatory system	3	2	1			1		1	
VIII. Diseases of upper respiratory system 460-519	33**	21	11	1	1	2	1	4	3
460-466 Acute infections exc. influenza	4	3	1						
470-486 Influenza & penumonia	16	12	4	1					
470-474 Influenza	-								
480-486 Pneumonia, incl. newborn	16	12	4	1		1		2	2
490,491 Bronchitis	3	1	2					1	
508 Other diseases/upper respiratory tract	3**	2							
510-519 All other respiratory disease	7	3	4		1	1	1	1	1

a). These categories are not exclusive and cannot be added horizontally.

* This table is not comparable to other infant death tables because of a difference in source. The infant death data in this table are from death records only.

** One, sex unknown, included in total.

Table 24 (Cont.)

INFANT DEATHS* BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 2 of 2 page

(Resident Data)

Cause of Death	Under 1 year			Under 1 day a)		Under 7 days a)		Under 28 days a)	
	Total	Male	Female	M	F	M	F	M	F
IX. Diseases of the digestive system 520-577	14	5	9	1	6	2	6	3	7
531 Ulcer of stomach	1	1							
550-553,560 Intestinal obstruction & hernia	10	2	8	1	6	2	6	2	7
571 Cirrhosis of liver	1	1							
471.8, .9 w/o mention of alcoholism	-								
573 Other diseases of digestive system	2	1	1					1	
X. Diseases of genitourinary system 580-629	4	3	1		1		1	2	1
580 Acute nephritis	1	1						1	
581 Nephrotic syndrome	1		1		1		1		1
591 Hydronephrosis	2	2						1	
XII. Diseases of the skin and subcutaneous tissue	1	1							
686 Other local infections	1	1							
XIII. Diseases of musculoskeletal system and connecting tissues 710-738	-								
733 All other diseases of bone and musculoskeletal system	-								
XIV. Congenital malformations 740-759	183	91	92	36	29	57	49	70	62
741 Spinal bifida and meningocele	8	5	3	1	1	2	1	3	1
742 Congenital hydrocephalus	10	5	5	2	2	3	3	4	3
746,747 Congenital malformations of circulatory system	78	36	42	4	3	21	17	26	25
740,743,748, 749,750-759 All other congenital malformation	87	45	42	29	23	31	28	37	33
XV. Certain causes of mortality in early infancy 760-779	339	195	144	113	101	174	130	195	142
764-768 .0-.3, 772 Birth Injury	25	18	7	2		13	4	18	7
764-768 .4,.9, 776 Anoxic/hypoxic conditions	152	87	65	36	33	75	55	87	63
760-763, 769-771, 773-775, 777-779 Other	162	90	72	75	68	86	71	90	72
XVI. Symptoms and ill-defined causes of mortality 780-796	110	67	43				1	7	3
782 Cardiovascular & lymphatic system	-								
783 Symptoms to respiratory system	-								
788 Other general symptoms	1		1						
795,796 Ill-defined and unknown	109	67	42				1	7	3
XVII. Accident, poisonings and violence 800-999	21	12	9				1		2
800-949 Total accidents	14	8	6				1		2
*** Home accidents	11	6	5						1
810-823 Motor vehicle	3	2	1						
860-869 Other solid & liquid substances	-								
880-887 Falls	-								
890-899 Fire and flames	3	2	1						
911-912 Inhalation & ingestion causing obstruction and suffocation	5	2	3				1		1
913 Mechanical suffocation	2	1	1						1
924 Hot substance, corrosive liquid and steam	1	1							
960-969 Homicide--not in war	4	2	2						
988 Undetermined injury, accidentally or purposely inflicted	1	1							
All other	2	1	1						

a). These categories are not exclusive and cannot be added horizontally.

* This table is not comparable to other infant death tables because of a difference in source. The infant death data in this table are from death records only.

** One, sex unknown, included in total.

*** Included in total accidents.

Table 25

FETAL AND INFANT DEATHS BY BIRTHWEIGHT GROUP AND AGE OF MOTHER
WHITE AND NONWHITE
Wisconsin, 1978

(Resident Data)

P. 1 of 2 pages

TOTAL

	Fetal Deaths*				Infant Deaths**													
					Under 1 year				Under 1 day			Under 7 days			Under 28 days			
Age of Mother	Total	1000 or less grams	1001-2500 grams	2501+ grams	Total	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.	
Under 15	1	1			2	1	1					1			1			
15	1	1			6	4	2		4	1		4	1		4	1		
16	9	5	4		15	7	8		5	2		7	2		7	3		
17	15	8	3	4	33	17	16		8			10	4		13	5		
18	15	7	5	3	35	16	19		6	3		10	5		13	7		
19	30	13	8	9	52	28	24		17	2		23	3		24	6		
20	26	9	9	8	54	28	26		16	2		21	5		25	13		
21	34	8	11	15	54	32	22		16	7		23	7		28	11		
22	21	8	8	5	54	26	28		16	2		21	6		22	9		
23	29	17	3	9	59	32	27		19	2		24	7		25	10		
24	30	10	11	9	45	26	19		19	1		22	7		24	10		
25-29	120	40	37	43	213	129	84		67	15		98	33		113	44		
30-34	57	22	16	19	91	57	34		34	8		50	15		54	17		
35-39	21	10	8	3	30	18	12		12	5		15	7		17	10		
40-44	12	4	3	5	6	1	5						2			2		
45+					1		1			1			1			1		
Unknown					11			11										
Total	421	163	126	132	761	422	328	11	239	51		329	105		370	149		
WHITE																		
Under 15	1	1			1	1						1			1			
15	1	1			5	3	2		3	1		3	1		3	1		
16	8	5	3		13	7	6		5	2		7	2		7	3		
17	13	7	2	4	28	12	16		6			7	4		9	5		
18	14	7	4	3	27	13	14		5	2		9	3		11	5		
19	27	12	7	8	46	26	20		16	2		22	3		23	4		
20	25	8	9	8	45	21	24		13	2		18	5		20	12		
21	31	7	10	14	52	31	21		15	7		22	7		27	10		
22	21	8	8	5	51	26	25		16	2		21	4		22	7		
23	29	17	3	9	54	29	25		16	2		21	7		22	10		
24	27	9	10	8	42	25	17		18	1		21	7		23	9		
25-29	114	38	34	42	196	117	79		64	14		91	32		104	43		
30-34	54	21	14	19	82	51	31		34	8		44	14		48	16		
35-39	21	10	8	3	28	17	11		11	5		14	7		16	10		
40-44	11	4	2	5	6	1	5						2			2		
45+					1		1			1			1			1		
Unknown					9			9										
Total	397	155	114	128	686	380	297	9	222	49		301	99		336	138		

*World Health Organization Weight Classification.
The primary criterion for classifying fetal deaths is weight but when this is not given the length of gestation is used and assigned to the appropriate weight category.

**This table is not comparable to other infant death tables because of a difference in source. The infant death data in this table are from matched death and birth records.

Definitions: Immature: 2500 grams or less (5 lbs. 8 oz. or under)
Mature: 2501 grams or more (more than 5 lbs. 8 oz.)

The 1978 fetal death count for the State is deficient by 116. The certificate for these deaths were not received from the Milwaukee City Health Department until nine months after the filing deadline by which time the file preparation and tabulation had been completed.

Table 25 (Cont.)

FETAL AND INFANT DEATHS BY BIRTHWEIGHT GROUP AND AGE OF MOTHER
WHITE AND NONWHITE
Wisconsin, 1978

(Resident Data)

P. 2 of 2 pages

NONWHITE

Age of Mother	Fetal Deaths*				Infant Deaths**													
					Under 1 year				Under 1 day			Under 7 days			Under 28 days		
	Total	1000 or less grams	1001-2500 grams	2501+ grams	Total	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.
Under 15					1		1										
15					1	1			1			1			1		
16	1		1		2		2										
17	2	1	1		5	5			2			3			4		
18	1		1		8	3	5		1	1		1	2		2	2	
19	2	1	1		6	2	4		1			1			1	2	
20	1	1			9	7	2		3			3			5	1	
21	3	1	1	1	2	1	1		1			1			1	1	
22					3		3		3				2			2	
23					5	3	2		1			3			3		
24	3	1	1	1	3	1	2		3	1		1			1	1	
25-29	5	1	3	1	17	12	5					7	1		9	1	
30-34	3	1	2		8	5	3					5	1		5	1	
35-39					2	1	1		1			1			1		
40-44	1		1														
45+																	
Unknown					2			2									
Total	22	7	12	3	74	41	31	2	17	2		27	6		33	11	

UNKNOWN

Age of Mother	Fetal Deaths*				Infant Deaths**													
					Under 1 year				Under 1 day			Under 7 days			Under 28 days		
	Total	1000 or less grams	1001-2500 grams	2501+ grams	Total	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.
Under 15																	
15																	
16																	
17																	
18																	
19	1			1													
20																	
21																	
22																	
23																	
24																	
25-29	1	1															
30-34					1	1						1			1		
35-39																	
40-44																	
45+																	
Unknown																	
Total	2	1		1	1	1						1			1		

*World Health Organization Weight Classification.
The primary criterion for classifying fetal deaths is weight but when this is not given the length of gestation is used and assigned to the appropriate weight category.

**This table is not comparable to other infant death tables because of a difference in source. The infant death data in this table are from matched death and birth records.

Definitions: Immature: 2500 grams or less (5 lbs. 8 oz. or under)
Mature: 2501 grams or more (more than 5 lbs. 8 oz.)

Table 28

DEATHS BY MAJOR CAUSES, BY COUNTY
Wisconsin, 1978

P. 1 of 9 pages

(Resident Data)

	All Causes of Death			Tuberculosis all forms	Septicemia and other bacterial diseases	All other infective, parasitic diseases	Malignant Neoplasms-Site or Type		
							Total	Buccal cavity & pharynx	Esophagus
County	Total	Male	Female	010-019	038,039		140-209 & Other	140-149	150
State Total	40,285*	22,063	18,221	37	160	99	8,283	179	152
Adams	134	83	51				28		2
Ashland	193	97	96		1		38		2
Barron	406	226	180	1	1		80		1
Bayfield	160	100	60				35	2	
Brown	1,188	685	503	2	4	3	251	3	5
Buffalo	132	79	53				28	1	
Burnett	143	88	55	1			28	1	
Calumet	205	122	83				37		1
Chippewa	443	238	205		2	2	90	3	2
Clark	362	206	156		2		71		1
Columbia	424	226	198	1	1	4	82	1	2
Crawford	156	96	60		1		29	2	
Dane	1,943	1,010	933	1	11	10	407	7	5
Dodge	705	362	343		3		129	3	1
Door	256	155	101		1		57	2	2
Douglas	502	278	224			2	92		2
Dunn	278	151	127	2		1	49		2
Eau Claire	598	309	289		6		134	5	2
Florence	48	32	16				11		
Fond du Lac	782	402	380	1	10	3	157	4	2
Forest	114	75	39		1		17	1	1
Grant	492	277	215			2	83		1
Green	314	164	150	1			57	2	
Green Lake	227	129	98				49		
Iowa	215	122	93		1		37	1	1
Iron	96	54	42		1		17	1	
Jackson	202	126	76				35		1
Jefferson	607	313	294		3	2	121	1	1
Juneau	220	125	95				39	1	
Kenosha	964	542	422	1			211	3	3
Kewaunee	180	115	65	1		1	34		1
La Crosse	799	400	399		4		155	1	6
Lafayette	158	94	64		1		28		
Langlade	239	137	102				50	1	1
Lincoln	264	153	111				52	1	
Manitowoc	748	432	316		2	2	169	7	3
Marathon	834	459	375		4		158	1	3
Marinette	465	273	192		2	2	75	3	
Marquette	157	92	65				26		
Menominee	33	22	11		1		4		
Milwaukee	9,088	4,821	4,267	15	41	23	2,045	64	39
Monroe	325	180	145		2	1	64		
Oconto	290	158	132		3		52	1	1
Oneida	285	166	119	1			60	1	1
Outagamie	844	443	401	2	2	4	181	2	4
Ozaukee	419	239	180		1	1	82	5	
Pepin	90	58	32		1		20	2	
Pierce	204	120	84		1	1	24	1	1
Polk	343	199	144		1	2	68	1	2
Portage	378	217	161		1	1	72	1	1
Price	214	121	93		2		56		
Racine	1,387	762	625	2	3	4	270	6	9
Richland	181	103	78				41	1	
Rock	1,174	604	570		5	3	241	6	3
Rusk	165	101	64		1	1	30		
St. Croix	324	192	132			2	45	1	
Sauk	409*	233	175		2		94		3
Sawyer	146	93	53				46		
Shawano	401	239	162		4		95		3
Sheboygan	906	490	416	1	4	2	174	3	8
Taylor	179	95	84				36		
Trempealeau	313	189	124		2	1	51	2	1
Vernon	278	160	118		1		51	2	1
Vilas	198	107	91		1		49	1	
Walworth	612	327	285	1	3	3	130	5	5
Washburn	153	90	63				32	1	
Washington	563	306	257		1	2	101	2	3
Waukesha	1,646	864	782	1	6	7	351	6	8
Waupaca	569	325	244	1	1		96	2	1
Waushara	210	128	82		1	1	28		
Winnebago	1,080	585	495		5	5	225	3	3
Wood	525	299	226	1	2	1	123	2	1

*One sex unknown, included in state total and Sauk county.

Table 28 (Cont.)

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	Malignant Neoplasms - Site or Type							
	Stomach	Large intestines, except rectum	Rectum	Liver, bile ducts, gallbladder	Pancreas	Respiratory except lung, trachea & bronchus	Trachea, lung & bronchus	Breast
County	151	153	154	155,156	157	160,161,163	162	174
State Total	331	954	229	184	448	81	1,620	744
Adams	1	3	1		2		5	3
Ashland	4	2	3	1	2	1	4	5
Barron	7	10	2	2	5		11	7
Bayfield		5	2	1	1	1	3	5
Brown	12	23	7	7	10	4	41	26
Buffalo	1	3	1	1	3	1	5	2
Burnett		3	1	1	2	1	3	2
Calumet	2	8			1		8	3
Chippewa	2	12	3	2	3		20	8
Clark	2	7	4	2	3		18	6
Columbia	1	9	2	2	5	2	14	7
Crawford	3	4			5		2	1
Dane	12	48	13	7	21	2	88	34
Dodge	3	17	6	3	8		27	13
Door	5	6			4		6	7
Douglas	8	5	2	4	6	1	22	3
Dunn		3	1	4	6		6	5
Eau Claire	7	20	2	3	6	2	27	12
Florence	2					1	3	
Fond du Lac	5	20	6	2	1		37	13
Forest	1	2	3	1	1		4	
Grant	1	10	1		5	1	15	9
Green	1	5	2		7		10	7
Green Lake	1	7	2	2	3		7	7
Iowa		1	2	2	1		8	4
Iron		3	1		1	1	2	3
Jackson	1	3	3	1			7	2
Jefferson	2	20	3	3	4	1	21	11
Juneau	2	4	1	1	3		6	4
Kenosha	10	24	3	5	5	3	46	23
Kewaunee	1	2	1		2		10	2
La Crosse	4	16	9	5	4	3	29	10
Lafayette	2	5	3		1		5	3
Langlade	5	5	2	1	2		11	2
Lincoln	3	6	2	3	4		12	6
Manitowoc	7	29	1	2	5	1	23	16
Marathon	7	17	8		9	3	25	10
Marinette	3	7	2	3	8	1	10	7
Marquette	2	1			3		8	2
Menominee					1		1	
Milwaukee	88	235	43	50	119	19	444	178
Monroe	3	9	1	3	7		2	9
Oconto	4	5	1	2	4		11	4
Oneida	4	3	3	2	3		12	6
Outagamie	8	17	1	5	9	3	33	23
Ozaukee		17	2	2		2	15	7
Pepin		2		1		1	2	
Pierce	1	3			1		1	2
Polk	1	9	1	1	1		9	7
Portage	4	5	1	1	4		18	3
Price	7	9	1	2	3	1	9	4
Racine	6	26	8	4	15	1	64	20
Richland	2	6	1	1	5	2	7	2
Rock	4	[illegible]	5	4	15	7	53	29
Rusk	1			1	2		5	5
St. Croix	2	2	1	1	3		10	2
Sauk	3	12		2	8	1	14	17
Sawyer	1	5	1		3		12	4
Shawano	4	11	1	4		1	17	2
Sheboygan	2	17	12	3	10	2	33	15
Taylor	3	5	1		5	1	7	5
Trempealeau	1	7	4	1	4	2	6	4
Vernon	3	6	3	2			9	4
Vilas	3	7	1	1	3		10	2
Walworth	3	20	5	3	3		17	15
Washburn	3	3	1		3		8	2
Washington	6	13	2	1	6	1	19	9
Waukesha	19	32	11	5	20	3	66	37
Waupaca	1	10	4	1	10		17	8
Waushara	2	5	1	1	1		3	2
Winnebago	6	36	6	3	12	1	52	21
Wood	6	15	2	6	6	3	25	6

Table 28 (Cont.)

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	Malignant Neoplasms - Site or Type							
County	Cervix uteri, ovary & other female genital organs 180-184	Prostate & other male genital organs 185-187	Bladder 188	Kidney & other urinary organs 189	Brain 191	Leukemia and aleukemia 204-207	Lymphosarcoma and hematopoietic tissue 200-203, 208,209	All other
State Total	442	541	232	190	155	380	513	908
Adams	2	1	1			1	2	4
Ashland	2	4		1	1	2	3	1
Barron	5	7	2	2	2	6	7	4
Bayfield	1	2		1	2	2		7
Brown	14	15	9	7	6	13	15	34
Buffalo		1		2		1	1	5
Burnett	1	4			1		4	4
Calumet	2	2		1	1	3	3	2
Chippewa	3	5	3	2	2	6	7	7
Clark	2	5	3	2	2	3	2	9
Columbia	5	8	3	2	2	1	10	6
Crawford	2	2	1	1	1	2	1	2
Dane	22	19	11	13	10	21	35	39
Dodge	3	5	4	6	2	3	9	16
Door	4	3	1	2	1	1	6	7
Douglas	4	6	1	4	1	4	3	16
Dunn	4	3	1	2	1	1	5	5
Eau Claire	9	8	7	5	1	3	3	12
Florence		1	1			3		
Fond du Lac	7	12	6	3	4	10	14	11
Forest	2							1
Grant	2	7	2	1	5	3	6	14
Green	3	6	2	2	4	1	2	3
Green Lake		4	3	1	3	4	1	4
Iowa	3	2	1	3			2	6
Iron			2				1	2
Jackson	2	2		1		3	3	6
Jefferson	7	10	3	4	4	3	10	13
Juneau	1	3	1			4	2	6
Kenosha	12	11	3	3	3	12	17	25
Kewaunee	1	1	1	1	2	5	1	3
La Crosse	11	15	3	2	2	4	10	21
Lafayette	1	3		1	1	1	1	1
Langlade	2	1	1	1	2	5	4	4
Lincoln	2	3	2	1		1	1	5
Manitowoc	12	17	7	1	6	8	7	17
Marathon	13	13	4	5	4	10	9	17
Marinette	4	6	3	2	1	2	3	10
Marquette	2	3	1				2	2
Menominee	1						1	
Milwaukee	117	116	54	39	28	86	105	221
Monroe	2	3	3	2	1	1	5	13
Oconto	4	3	2	1			2	7
Oneida	2	1	3			1	5	13
Outagamie	12	21	2	2	4	10	10	15
Ozaukee	4	4	1		2	4	7	10
Pepin	1	5	1		2		2	1
Pierce	4	2				1	3	4
Polk	3	4	3	1	3	8	4	10
Portage	5	3	2	2	1	4	7	10
Price	3	2	1	1		2	5	6
Racine	11	19	7	15	8	13	6	32
Richland	3	2	1	1		1	3	3
Rock	16	14	11	4	4	5	13	21
Rusk	1	5	1	1	2	1		5
St. Croix	4	6	1		1	1	6	4
Sauk	7	4	5	2	1	3	6	6
Sawyer	3	6		2	2	2	2	3
Shawano	5	10	1	5		12	9	10
Sheboygan	10	12	1	4	2	12	10	18
Taylor	4			1		2		2
Trempealeau	2	3		1	1	1	6	5
Vernon	1	5		2		5	3	5
Vilas	2	4	1	1		1	2	10
Walworth	3	14	4	2		9	7	15
Washburn		3	2			2	1	3
Washington	3	6	3	1	4	4	10	8
Waukesha	18	15	12	7	3	16	21	52
Waupaca	6	6	8	1	1	6	7	7
Waushara	1	4	1	1	1	1	2	2
Winnebago	9	8	4	4	6	6	21	24
Wood	3	11	4	2	1	8	10	12

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		Endocrine, Nutritional, and Metabolic Diseases			Diseases of the Blood & Blood Forming Organs			
	Neoplasms benign and unspecified	Diabetes mellitus	Avitaminoses, other nutritional deficiencies	Other metabolic diseases	Anemias	All other	Mental Disorders	Diseases of the nervous system and sense organs
County	210-239	250	260-269	270-279	280-285	286-289	290-315	320-389
State Total	65	739	75	150	77	47	251	397
Adams		1	2	1				
Ashland	1	2	1	3			2	2
Barron		7	3	2		1	6	4
Bayfield	1	3						4
Brown	4	24	2	2	2		3	13
Buffalo		2	1		1		3	1
Burnett		1		1		1	1	2
Calumet		7						5
Chippewa		5		3			2	6
Clark	1	8		1	1			4
Columbia	1	12	1	1	1		2	2
Crawford		5		1	1		1	3
Dane	4	29	3	16	5	4	23	22
Dodge	1	12	3	3	2		4	6
Door	1	2				1	2	3
Douglas		7	1	4	1		2	5
Dunn		5	1	2	1	1	1	2
Eau Claire	1	8	1	4		1	1	4
Florence				1				
Fond du Lac	1	15		3	2	2	2	14
Forest	1	2						1
Grant		6	1		1	1	3	4
Green		5	1	1	1		2	4
Green Lake		8		1		1	2	4
Iowa		4			1		1	
Iron		1	1					
Jackson	1	2		1			1	6
Jefferson	1	11	2	5	2	1	1	3
Juneau		4	1	1				1
Kenosha		13	2	3	4	1	3	12
Kewaunee								
La Crosse		17	1	2		1	19	12
Lafayette		3					2	1
Langlade		5						3
Lincoln	1	5			1	1		6
Manitowoc	2	14	1	3	2	3	5	12
Marathon		11	1	5	3	1	4	11
Marinette		13		2	1		1	1
Marquette		1		1				
Menominee		3						
Milwaukee	21	186	23	33	18	10	76	78
Monroe		6	1	1			1	1
Oconto		6		1	1			3
Oneida	2	7	1	2			2	2
Outagamie	1	18		5	1	1	1	8
Ozaukee		6	2	1	2	2	3	5
Pepin								
Pierce	1	4			1	2	1	3
Polk		3	1					2
Portage		4		1	1	1	1	5
Price		9		1	1	1		3
Racine	3	23	2	3	3		5	17
Richland						1	2	3
Rock	2	17	3	1	3	1	6	9
Rusk	1	7					1	3
St. Croix	1	5	2	2	1		4	1
Sauk		10		2		1		2
Sawyer		3	1				3	
Shawano		15			1		2	1
Sheboygan		11		1	2	1	2	10
Taylor		2				1		2
Trempealeau		6	2		2		1	3
Vernon	1	6		3			1	3
Vilas	1	2					1	1
Walworth	1	14	2	3		1	2	6
Washburn		2					1	1
Washington		13		3	2		1	7
Waukesha	6	25	1	2	1		9	13
Waupaca		14		3		1		6
Waushara		1		1			1	1
Winnebago	2	26	2	6	4	2	18	11
Wood		5	2	2			7	4

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	Diseases of the Circulatory System							
	Rheumatic fever	Chronic rheumatic heart disease	Hypertension without mention of heart	Hyper-tension w/ heart disease	Acute ischemic heart disease	Chronic ischemic heart disease	Other ischemic heart disease	Chronic dis. of endocardium, myocardial insufficiency
County	390-392	393-398	400(exc.400.1) 401,403	400.1 402,404	410	412	411,413	424,428
State Total	3	314	129	246	6,306	7,663	70	107
Adams					29	15		
Ashland				1	33	29	1	
Barron		4			77	44		2
Bayfield		2		2	20	23		
Brown		10	1	10	140	193	2	6
Buffalo		1	1		21	23		
Burnett		2		2	26	15		
Calumet		2		1	48	31	1	
Chippewa		3		3	82	76		1
Clark			3	1	62	43		1
Columbia		1		2	61	97		
Crawford		1	1	2	19	9		1
Dane		20	4	14	277	325		1
Dodge		3	1	1	124	160	1	2
Door		1	1		40	30		2
Douglas		2	2	5	74	112	3	
Dunn		2		5	43	58		1
Eau Claire		3	3	1	79	136	2	2
Florence		2			10	1		
Fond du Lac		10	2	3	123	168	2	4
Forest		2			18	19		
Grant		6	1	1	99	87		1
Green			1	3	48	70	1	
Green Lake			1	1	42	41	1	
Iowa		1		1	44	32	1	
Iron		1	1	2	28	15		
Jackson		1	1		42	30		
Jefferson		2	1	2	104	121	1	2
Juneau			1	2	58	19	1	1
Kenosha		8	6	4	178	236	9	1
Kewaunee		1	2		48	16		1
La Crosse		16	4	2	101	157	3	
Lafayette		1			24	22		
Langlade		1	1		32	30		
Lincoln			1	4	25	64		6
Manitowoc		2	3	7	146	121	1	2
Marathon		8		19	85	144		2
Marinette		4	1	3	91	67	1	1
Marquette				3	31	25		
Menominee					7	2		
Milwaukee		79	31	46	1,144	2,153	10	23
Monroe		2		1	73	51		3
Oconto		3		2	54	29	3	
Oneida		1	1	7	40	42		
Outagamie		8	4	4	150	130		
Ozaukee		3	1	1	84	73		1
Pepin			1		23	10		
Pierce			1	2	39	36		
Polk		3	2	1	63	59		1
Portage		4		2	39	101		
Price	1	4		3	23	23	1	2
Racine		9	8	7	222	285		5
Richland		1	3		41	30		
Rock	2	8	6	17	209	195	2	1
Rusk		1	1		22	15		
St. Croix		2		1	55	58	2	1
Sauk		5	1	1	76	65		2
Sawyer		1		1	14	17		
Shawano		3		2	46	47	1	1
Sheboygan		5	6	10	127	200	2	5
Taylor		2	2	1	33	19	5	1
Trempealeau				1	55	50	1	2
Vernon		6	3		48	54	1	1
Vilas		4			36	31		3
Walworth		4	2	5	135	92	4	8
Washburn		1			33	24		1
Washington		4	1	4	101	109		2
Waukesha		12	5	6	288	296	4	1
Waupaca		4	1	2	80	139		2
Waushara				4	54	44	1	
Winnebago		10	5	7	174	178		1
Wood		2		1	86	102	2	

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	Diseases of the Circulatory System					Diseases of the Respiratory System				
	Cerebro-vascular disease	Arterio-sclerosis	Other diseases/ arteries, arterioles	Disease of veins and lymphatics, & cir. sys.	All other forms of heart disease	Influenza	Pneumonia	Bronchitis, chronic and unqualified	Emphy-sema and asthma	Other
County	430-438	440	441-448	450-458	420-423, 425-427,429	470-474	480-486	490,491	492,493	
State Total	3,738	735	622	347	1,624	158	1,078	81	330	798
Adams	17		2	2	17		2		1	2
Ashland	13	2	1	1	17	1	7		2	6
Barron	42	3	10	6	16	1	16	1		15
Bayfield	23	3		2	6	1	6		2	8
Brown	121	26	18	11	123	3	31	3	12	13
Buffalo	10	3	2		4		8			4
Burnett	16	10	2		7		4		2	3
Calumet	8	4	2	4	4	1	6	1	1	5
Chippewa	49	2	6	4	12	2	26		6	7
Clark	29	6	7	4	44	2	15		2	10
Columbia	35	9	11	3	25	9	3		5	13
Crawford	9	6	5	1	19		8	1	3	4
Dane	191	45	33	11	75	9	50	4	15	42
Dodge	64	15	3	7	24	7	24	1	2	12
Door	31	2	4		14		9	2	2	2
Douglas	40	9	15	4	21	7	6		2	5
Dunn	22	5	5	2	8	6	9		3	3
Eau Claire	48	11	13	6	16		25		6	10
Florence	6	1			3				1	1
Fond du Lac	57	24	16	4	26	3	16		6	14
Forest	14	1	2	3	11		3		1	4
Grant	57	10	7	4	15	3	16	2	6	5
Green	33	6	6	2	9	1	12	2	5	6
Green Lake	14	3	1	1	10	1	6	2	1	3
Iowa	29	11	2	4	4	2	7	1		3
Iron	8	3	2	1	2	1				2
Jackson	22	4	4	2	1		9		2	6
Jefferson	54	12	12	5	26	4	12		7	14
Juneau	29	1	4	3	9		5	2	3	6
Kenosha	54	15	10	8	23		22	2	3	10
Kewaunee	18	2	2		8	2		1	2	
La Crosse	80	10	14	12	23	1	33	3	10	27
Lafayette	17	9	2	1	13	1	7	1	2	4
Langlade	21	2	4	2	41	3	8	1		7
Lincoln	28	9	4		2		6	1		7
Manitowoc	72	13	12	5	22	9	17		5	9
Marathon	85	17	13	9	95	3	17	2	6	21
Marinette	54	18	6	6	18	2	9		3	16
Marquette	19	4	1	2	10	1	6			4
Menominee	1	1	1		2					
Milwaukee	816	122	130	69	221	14	213	22	74	181
Monroe	23	5	8	3	12	1	10	1		8
Oconto	44	5	1	3	27	1	6		3	2
Oneida	16	7	4	3	33	1	3		3	6
Outagamie	62	14	19	5	27	3	15	5	13	5
Ozaukee	40	7	5	3	6		10		3	11
Pepin	12		3	2	5		5			
Pierce	18		7		5	4	7		1	8
Polk	44	10	5	2	16		14	1	1	4
Portage	39	11	2	4	10	3	5	1	2	5
Price	20	1	2	3	18		4		4	3
Racine	136	14	21	12	43	3	23	2	21	25
Richland	19	2	3	2	2	1	6		3	4
Rock	120	24	14	12	51	2	40	1	12	23
Rusk	14	3	6	1	20		5	1	2	3
St. Croix	34	7	1	5	14		20		6	7
Sauk	43	5	8		9	1	8		4	13
Sawyer	12	1	3		11		8		2	7
Shawano	34	16	4	2	46	2	11	1		8
Sheboygan	95	20	14	9	20	9	35	2	3	11
Taylor	13	11	1		9		3			4
Trempealeau	25	7	3		11	3	15		3	7
Vernon	22	9	6	1	8	2	13		2	6
Vilas	5	9		2	17	2	5		2	2
Walworth	43	6	11	5	17	1	12		7	13
Washburn	27	1	1	3	5		3	1	1	
Washington	44	20	18	6	23	4	8	1	3	9
Waukesha	153	16	30	30	44	5	51	4	5	37
Waupaca	65	10	4	5	13	2	15	2	4	21
Waushara	13	2	4	4	6		6		4	2
Winnebago	92	22	15	8	37	7	21	2	10	18
Wood	55	11	5	1	13	1	12	1	3	12

Table 28 (Cont.)

DEATHS BY MAJOR CAUSES, BY COUNTY
Wisconsin, 1978

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(Resident Data)

	Diseases of the Digestive System				Diseases of the Genitourinary System			
	Ulcer-stomach, duodenum; peptic and gastrojejunal	Cirrhosis of liver		Other	Nephritis and nephrosis	Infection of kidney	Hyperplasis of prostate	Other
		with alcoholism	w/o mention of alcohol					
County	531-534	571.0	571.8,.9		580-584	590	600	601-629
State Total	117	211	271	594	127	49	27	228
Adams	1		1	3	1			1
Ashland	1	3	4	1	1		1	1
Barron	3		1	12	2			3
Bayfield				1				
Brown	1	3	3	17	3	1		4
Buffalo				2				3
Burnett		1		2	1			1
Calumet		3	2	3	1			1
Chippewa	1	1	5	5				1
Clark	2	1		5				2
Columbia	1	1	5	5	1	1		2
Crawford	1	1		1				2
Dane	6	5	8	35	8	3		11
Dodge	1	5	3	11	1	1		3
Door		1	2	2	2			2
Douglas	2	2	8	5	4	1		4
Dunn			1	8				1
Eau Claire	3	2	6	4	1	1		6
Florence			2	2				1
Fond du Lac	1	3	5	8	4	4	1	2
Forest		1	1	3	1			
Grant	3	2	2	5			1	2
Green		1	1	5	1			2
Green Lake		3	1	3	1	2	1	1
Iowa	1				1			
Iron				1				1
Jackson	3	1		6				
Jefferson		1	4	9	5			5
Juneau	1	1		6				2
Kenosha	2	7	8	9	3	2		5
Kewaunee				7			3	
La Crosse	1	5	9	9		1	1	5
Lafayette	1			4				2
Langlade		4		3	2	1		
Lincoln	1		2	3				3
Manitowoc	3	1	2	10	3			6
Marathon	2	3	6	14	2	1		3
Marinette	1	3	2	6	2		1	1
Marquette	1	1	3	2				1
Menominee								1
Milwaukee	29	60	69	127	30	11	4	61
Monroe		1	2	3			1	6
Oconto			2	7	2	1		2
Oneida		4	2	3	1			2
Outagamie	4	5	15	16	2			3
Ozaukee	2	2	6	7	1	1		
Pepin				1		1		1
Pierce	1	3	2	1		1	1	3
Polk	1	1	4	4	1			2
Portage	3	1	2	12	1			2
Price	3	1		2				
Racine	2	13	9	18	5	5	1	6
Richland		1	1	1			1	
Rock	1	6	6	14	2		2	4
Rusk	1		2	2				1
St. Croix		2	1	7	2			
Sauk		1	4	4		1	1	3
Sawyer		1	2	2	2		1	
Shawano	1		4	4	3	1	1	3
Sheboygan	2	6	8	13	4	1	2	7
Taylor	2	1	1	5	1			
Trempealeau	1	4		10				4
Vernon			1	5		1		1
Vilas	2		1	3	1			
Walworth	3	1	5	13	2		1	1
Washburn		1				1		
Washington	3	2	5	8			1	1
Waukesha	2	14	7	18	6	1		10
Waupaca	2	1	4	9	6	2		3
Waushara	4	1		1			1	1
Winnebago	4	10	5	26	1	2		8
Wood		2	4	11	3			2

Table 28 (Cont.)

DEATHS BY MAJOR CAUSES, BY COUNTY
Wisconsin, 1978

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(Resident Data)

County	Complications of Preg., Childbirth & Puerperium		Diseases of the skin & subcutaneous tissue	Diseases Musculoskeletal System & Conn. Tissue	Congenital anomalies	Certain Causes of Perinatal Morbidity & Mortality		
	Abortions	Other				Birth injuries	Anoxic & hypoxic conditions	Other
	640-645		680-709	710-738	740-759	764-768: .0-.3,772	764-768: .4,.9,776	
State Total		8	36	123	301	25	152	163
Adams				1	1		1	1
Ashland		1			2			1
Barron				1	4		2	1
Bayfield				2	1			1
Brown			5	4	5	1	3	4
Buffalo				1	1			1
Burnett				1				
Calumet					2	2		
Chippewa					5		2	2
Clark				3	6			2
Columbia				1	2		1	1
Crawford			1		1			1
Dane		1	1	9	20	2	6	10
Dodge			1	2	5		2	2
Door				1	3		3	
Douglas				3	4		2	3
Dunn					1	1	2	2
Eau Claire				2	3		2	3
Florence								
Fond du Lac			1	3	2			5
Forest							1	
Grant				3	2	1	2	1
Green				1	3		1	1
Green Lake					1	2		
Iowa		1		1	3			1
Iron				1			1	
Jackson			1	1	1			
Jefferson				2	4			1
Juneau							1	
Kenosha					6		4	6
Kewaunee				1	1		1	1
La Crosse					2	3	4	4
Lafayette							2	
Langlade				1	1			
Lincoln					3	1	2	5
Manitowoc			1	3	3		2	2
Marathon				1	9		4	3
Marinette			1	1	6	1	4	1
Marquette							1	1
Menominee				1			1	
Milwaukee		1	9	27	59	2	30	28
Monroe			1	1	1		3	3
Oconto				1	3		1	6
Oneida				2	1			2
Outagamie			1	3	11	1	9	2
Ozaukee					3		2	2
Pepin								1
Pierce				1	1		1	
Polk			1	1			1	1
Portage			2		4		1	5
Price							1	
Racine		2		5	11		5	2
Richland					1		1	
Rock			1	3	11		7	3
Rusk					2		2	
St. Croix					5		1	1
Sauk			1	1	3		2	1
Sawyer							1	1
Shawano		1		1	2	1	1	2
Sheboygan		1	1	3	8		2	3
Taylor					3			1
Trempealeau								1
Vernon				1				
Vilas			1	1	1			
Walworth			2	2	6	2	3	5
Washburn					2			1
Washington			1	2	6			1
Waukesha			1	9	15		9	11
Waupaca			1	3	6	2	1	5
Waushara					5	1	1	
Winnebago			1	3	9	2	8	4
Wood				2	9		2	4

Table 28 (Cont.)

DEATHS BY MAJOR CAUSES, BY COUNTY
Wisconsin, 1978

P. 9 of 9 pages

(Resident Data)

County	Ill-Defined conditions 780-796	Accidents, Poisonings, and Violence: Motor vehicle 810-823	All other accidents 800-807,825-827,330-949	Suicide 950-959	Homicide and legal intervention 960-978	Operations of war and undetermined violent deaths 980-999
State Total	373	990	1,005	582	128	46
Adams	1	2		1		
Ashland	1	7	2	3		
Barron	6	15	5	7	2	
Bayfield	3	9	1	1		
Brown	16	28	27	27	2	1
Buffalo	1	3	4	1	1	1
Burnett	2	5	4	2		
Calumet	2	5	7	7	2	
Chippewa	2	12	15	1	2	
Clark	3	10	8	2	1	
Columbia		6	6	8	1	
Crawford	2	2	10	3	1	
Dane	13	44	64	40	4	2
Dodge	9	17	17	8		3
Door	16	6	8	2	1	
Douglas	8	13	11	8	1	2
Dunn	3	11	8	3		
Eau Claire	4	21	14	4	1	
Florence	1	3	1		1	
Fond du Lac	9	20	20	6		
Forest	1	2	2	1	1	
Grant	15	12	16	3	1	
Green	1	6	11	3		
Green Lake	1	6	10	1	1	
Iowa	1	8	9	2	1	
Iron		3	1	2		
Jackson		9	8	2		
Jefferson	5	12	18	8	2	
Juneau	2	3	12	2		
Kenosha	3	33	17	11	4	5
Kewaunee	10	14	2	1		
La Crosse	5	11	20	12		
Lafayette	2	4	4			
Langlade	2	8	5	1		
Lincoln	3	6	9	3		
Manitowoc	1	24	17	7	1	1
Marathon	9	25	16	10	2	
Marinette	4	15	10	8		1
Marquette	4	5	2	1	1	
Menominee	1	3		2	1	1
Milwaukee	67	145	181	154	58	19
Monroe	2	7	13	2	1	
Oconto		2	10	4		
Oneida	2	8	10	3	1	
Outagamie	10	30	24	18	2	
Ozaukee	2	15	9	13		1
Pepin		1	1	2		
Pierce	2	12	8	1		
Polk	3	8	10	2		
Portage		11	11	7	1	
Price	11	2	4	5		
Racine	9	39	34	31	18	1
Richland	3	3	4	1		
Rock	8	32	34	9	1	
Rusk	2	3	8	4		
St. Croix	2	15	11	1		
Sauk	6	14	13	2		
Sawyer	1	2		3		
Shawano	7	15	9	2		1
Sheboygan	8	16	24	12	4	
Taylor	4	11	5			
Trempealeau	10	10	15	6		1
Vernon	2	6	9	4		
Vilas		2	6	7		
Walworth	1	14	14	6		
Washburn		4	5	2		
Washington	2	22	15	7		
Waukesha	9	52	39	25	6	3
Waupaca	10	9	11	2		1
Waushara	1	3	6	7		
Winnebago	15	19	31	18		1
Wood	2	10	10	8	1	1

Table 30

DEATHS BY MAJOR CAUSE, SEX AND RACE
Wisconsin, 1978
(Resident Data)

Cause of Death	ICDA	Total		White		Black		Indian		Other		Unk.	
		Male	Fem.	M	F	M	F	M	F	M	F	M	F
Total		22063	18221	21442	17774	488	360	109	68	14	15	10	4
Infective & Parasitic Diseases	000-136	161	135	153	128	6	7	1		1			
Tuberculosis - all forms	010-019	24	13	23	13	1							
Septicemia and other bacterial diseases	038,039	88	72	84	68	3	4	1					
All other infective & parasitic diseases		49	50	46	47	2	3			1			
Malignant Neoplasms	140-209	4530	3753	4391	3665	120	69	11	15	8	4		
Buccal cavity and pharynx	140-149	125	54	118	53	7	1						
Esophagus	150	117	35	111	35	6							
Stomach	151	200	131	194	127	6	2		2				
Large intestines, except rectum	153	468	486	458	479	8	5	2	2				
Rectum	154	138	91	135	87	3	3				1		
Liver(primary), bile ducts, gallbladder	155,156	79	105	74	103	2	2	1		2			
Pancreas	157	226	222	216	218	9	4	1					
Respiratory except lung,trachea & bronchus	160,161,163	62	19	59	19	3							
Trachea, lung and bronchus	162	1257	363	1208	354	45	6	2	3	2			
Breast	174	3	741	3	728		13						
Cervix uteri,ovary & other fem. genital organs	180-184		442		429		7		4		2		
Prostate & other male genital organs	185-187	541		526		12		2		1			
Bladder	188	172	60	171	58	1	2						
Kidney and other urinary organs	189	123	67	121	67	2							
Brain	191	80	75	78	74	2	1						
Leukemia and aleukemia	204-207	219	161	215	156	1	4	1	1	2			
Lymphosarcoma & hematopoietic tissue	200-203,208,209	263	250	259	242	4	7				1		
All other malignant neoplasms		457	451	445	436	9	12	2	3	1			
Neoplasms, benign and unspecified	210-239	25	40	24	38	1	2						
Endocrine, Nutritional, & Metabolic Diseases	240-279	425	539	407	521	13	13	5	5				
Diabetes mellitus	250	313	426	301	413	7	8	5	5				
Avitaminoses, other nutritional deficiencies	260-269	37	38	34	35	3	3						
Other metabolic diseases		75	75	72	73	3	2						
Diseases of the Blood & Blood Forming Organs	280-289	56	68	55	64	1	3		1				
Anemias	280-285	34	43	33	41	1	2						
All other	286-289	22	25	22	23		1		1				
Mental Disorders	290-315	140	111	128	107	11	2	1	2				
Diseases of the Nervous System & Sense Organs	320-389	212	185	206	179	5	6	1					
Diseases of the Circulatory System	390-458	11554	10350	11328	10152	172	169	51	25	2	3	1	1
Rheumatic fever	390-392	2	1	2	1								
Chronic rheumatic heart disease	393-398	133	181	128	176	4	3	1	2				
Hypertension w/o ment. of hrt.	400(exc.400.1),401,403	64	65	61	64	3	1						
Hypertension w/heart disease	400.1,402,404	109	137	108	131	1	6						
Acute ischemic heart disease	410	3908	2398	3850	2362	37	30	20	5		1	1	
Chronic ischemic heart disease	412	3769	3894	3684	3817	77	64	8	12				1
Other ischemic heart disease	411,413	39	31	39	31								
Chronic dis.of endocardium,other myocard.insuf	424,428	44	63	44	62		1						
Cerebrovascular disease	430-438	1648	2090	1615	2048	24	37	8	4	1	1		
Arteriosclerosis	440	329	406	324	402	2	4	2		1			
Other diseases of arteries, arterioles	441-448	358	264	352	258	4	4	2	1		1		
Dis. of veins & lymphatics,& dis. of circ.sys.	450-458	181	166	175	160	5	6	1					
All other forms of heart disease		970	654	946	640	15	13	9	1				
Diseases of the Respiratory System	460-519	1518	926	1471	911	34	12	11	2	2	1		
Influenza	470-474	66	92	66	92								
Pneumonia	480-486	586	492	562	483	16	8	7	1	1			
Bronchitis, chronic and unqualified	490,491	53	28	49	28	2		2					
Emphysema and asthma	492,493	244	86	239	83	4	3	1					
Other		569	228	555	225	12	1	1	1	1	1		
Diseases of the Digestive System	520-577	647	546	626	532	13	11	7	3	1			
Ulcer-stomach,duodenum;peptic & gastrojejunal	531-534	64	53	63	53	1							
Cirrhosis of liver	571	306	176	292	171	9	3	5	2				
w/alcoholism	571.0	138	73	129	71	6	2	3					
w/o mention of alcohol	571.8,.9	168	103	163	100	3	1	2	2				
Other		277	317	271	308	3	8	2	1	1			
Diseases of the Genitourinary System	580-629	245	186	237	174	8	9		2		1		
Nephritis and nephrosis	580-584	67	60	64	55	3	4				1		
Infection of kidney	590	22	27	22	26		1						
Hyperplasia of prostate	600	27		27									
Other		129	99	124	93	5	4		2				
Complications of Preg., Childbirth & Puerperium	630-678		8		7		1						
Abortions	640-645												
Other			8		7		1						
Diseases of the Skin & Subcutaneous Tissue	680-709	14	22	14	22								
Dis.-Musculoskeletal Sys. & Connective Tissue	710-738	48	75	45	74	2	1	1					
Congenital Anomalies	740-759	146	155	141	145	5	6		1		3		
Certain Causes of Perinatal Morb. & Mortality	760-779	195	145	174	135	19	9	2					1
Birth injuries	764-768:.0-.3,772	18	7	17	6	1							1
Anoxic and hypoxic conditions	764-768:.4,.9,776	87	65	78	60	8	5	1					
Other		90	73	79	69	10	4	1					
Ill-Defined Conditions	780-796	211	162	195	149	10	11	4	1			2	1
Accidents, Poisonings, and Violence	E800-999	1936	815	1847	771	68	29	14	11		3	7	1
Motor vehicle	810-823	703	287	682	275	12	4	5	5		2	4	1
All other accidents	800-807,825-827,830-949	675	330	646	315	21	10	5	5			3	
Suicide	950-959	442	140	433	137	7	2	2			1		
Homicide and legal intervention	960-978	85	43	61	31	23	11	1	1				
Operations of war & undeterm'd.violent deaths	980-999	31	15	25	13	5	2	1					

One white, sex unknown, NOT included in totals.

Table 31

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

P. 1 of 10 pages

(Resident Data)

Cause of Death	Number
Total deaths from all causes (excluding stillbirths)	40,285
I. Infective and parasitic diseases (000-136)	296
Infectious disease commonly arising in intestinal tract (000-009)	40
003 Other salmonella infections	3
008 Enteritis due to other specified organism	4
009 Unspecified forms of dysentery	33
Tuberculosis (all forms) (010-019)	37
010-012 Respiratory system	23
011-012 Non-occupational	23
013 Tuberculosis of meninges and central nervous system	1
014 Tuberculosis of intestines, peritoneum, and mesenteric glands	1
018 Disseminated tuberculosis	4
019 Late effects of tuberculosis	8
Zoonotic bacterial diseases (020-027)	1
027 Other	1
Other bacterial diseases (030-039)	164
031 Mycobacteria	2
036 Meningococcal infection	2
038 Septicemia	144
039 Other bacterial diseases	16
Diseases attributable to viruses (040-079)	29
044 Late effects of acute poliomyelitis	3
053 Herpes zoster	2
054 Herpes simplex	5
056 Rubella	1
065 Viral encephalitis, unspecified	3
070 Infectious hepatitis	6
079 Other viral diseases	9
Syphilis and other venereal diseases (090-099)	1
094 Syphilis of central nervous system	1
Other infective & parasitic diseases (100-136)	24
101 Vincent's angina	1
110-117 Mycoses	10
130-136 Other infective and parasitic diseases	13
II. Neoplasms (140-239)	8,348
Neoplasms, malignant (140-209)	8,283
Neoplasms, malignant, except Hodgkin's disease, leukemia and aleukemia (140-209 except 201, 204-207)	7,846
Malignant neoplasms of buccal cavity and pharynx (140-149)	179
140 Lip	5
141 Tongue	38
142 Salivary gland	16
143,145 Other parts of mouth and mouth unspecified	31
144 Floor of mouth	8
146 Oral mesopharynx	23
147 Nasopharynx	16
148 Hypopharynx	16
149 Pharynx, unspecified	26

-MORE-

Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

P. 2 of 10 pages (Resident Data)

Cause of Death	Number
Malignant neoplasm of digestive organs and peritoneum (150-159)	2,338
150 Esophagus	152
151 Stomach	331
152 Small intestine, including duodenum	12
153 Large intestine, except rectum	954
154 Rectum	229
155 Biliary passages and of liver (stated to be primary site)	54
156 Gallbladder and bile ducts	130
157 Pancreas	448
158 Peritoneum	15
159 Unspecified digestive organs	13
Malignant neoplasm of respiratory system (160-163)	1,701
160 Nose, nasal cavities, middle ear, and accessory sinuses	15
161 Larynx	46
162 Trachea, and of bronchus and lung specified as primary	1,620
163 Other and unspecified respiratory organs	20
Malignant neoplasm of bone, connective tissue, skin, and breast (170-174)	923
170 Bone	34
171 Connective and other soft tissue	39
172 Malignant melanoma of skin	80
173 Other malignant neoplasm of skin	26
174 Breast	744
Malignant neoplasm of genitourinary organs (180-189)	1,405
180 Cervix uteri	61
181 Chorionepithelioma	1
182 Uterus	105
183 Ovary, fallopian tube, and broad ligament	252
184 Other and unspecified female genital organs	23
185 Prostate	524
186 Testis	13
187 Other and unspecified male genital organs	4
188 Bladder	232
189 Other and unspecified urinary organs	190
Malignant neoplasm of other and unspecified sites (190-199)	844
190 Eye	7
191 Brain	155
192 Other parts of nervous system	61
193 Thyroid gland	22
194 Other endocrine glands	16
195 Ill-defined sites	51
196 Secondary and unspecified malignant neoplasm of lymph nodes	5
197 Secondary malignant neoplasm of respiratory and digestive systems	118
198 Other secondary malignant neoplasm	40
199 Without specification of site	369
Neoplasms of lymphatic and hematopoietic tissues (200-209)	893
200 Lymphosarcoma and reticulosarcoma	112
201 Hodgkin's disease	57
202 Other neoplasms of lymphoma	157
203 Multiple myeloma (plasmocytoma)	133
204 Lymphatic leukemia	139
205 Myeloid leukemia	144
206 Monocytic leukemia	8
207 Other and unspecified leukemia	89
208 Polycythemia vera	14
209 Myelofibrosis	40

-MORE-

Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

P. 3 of 10 pages (Resident Data)

Cause of Death		Number
	Benign neoplasms (210-228)	42
	211 Other parts of digestive system	7
	213 Of bone and cartilage	1
	215 Other muscular and connective tissue	3
	216 Of skin	1
	218 Uterine fibroma	1
	223 Of kidney and other urinary organs	1
	225 Brain and other parts of nervous system	22
	226 Endocrine glands	2
	227 Hemangioma and lymphangioma	4
	Neoplasm of unspecified nature (230-239)	23
	230 Digestive organs	1
	231 Respiratory organs	3
	232 Of skin and musculoskeletal system	1
	238 Eye, brain, and other parts of nervous system	15
	239 Other and unspecified organs	3
III.	Endocrine, nutritional, and metabolic diseases (240-279)	964
	Diseases of thyroid gland (240-246)	24
	242 Thyrotoxicosis with or without goiter	8
	244 Myxedema	16
	Diseases of other endocrine glands (250-258)	769
	250 Diabetes mellitus	739
	251 Disorders of pancreatic internal secretion other than diabetes mellitus	5
	252 Diseases of parathyroid gland	2
	253 Diseases of pituitary gland	5
	255 Diseases of adrenal glands	3
	258 Polyglandular dysfunction and other diseases of endocrine glands	15
	Avitaminoses and other nutritional deficiency (260-269)	75
	263 Other vitamin B deficiency	1
	268 Nutritional marasmus	12
	269 Other nutritional deficiency	62
	Other metabolic diseases (270-279)	96
	270 Congenital disorders of amino-acid metabolism	2
	271 Congenital disorders of carbohydrate metabolism	1
	272 Congenital disorders of lipid metabolism	3
	273 Other and unspecified congenital disorders or metabolism	15
	274 Gout	4
	275 Plasma protein abnormalities	12
	276 Amyloidosis	13
	277 Obesity not specified as of endocrine origin	34
	278 Other hyperalimentation	2
	279 Other and unspecified metabolic disease	10
IV.	Diseases of the blood and blood-forming organs (280-289)	124
	280 Iron deficiency anemias	3
	281 Other deficiency anemias	13
	282 Hereditary hemolytic anemias	4
	283 Acquired hemolytic anemias	2
	284 Aplastic anemia	32
	285 Other and unspecified anemias	23
	286 Coagulation defects	16
	287 Purpura and other hemorrhagic conditions	15
	288 Agranulocytosis	6
	289 Other diseases of blood and blood-forming organs	10

-MORE-

Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

P. 4 of 10 pages (Resident Data)

Cause of Death	Number
V. Mental disorders (290-315)	251
Psychoses (290-299)	76
290 Senile and presenile dementia	51
291 Alcoholic psychosis	7
294 Psychosis associated with other physical conditions	2
295 Schizophrenia	4
296 Affective psychoses	2
299 Unspecified psychosis	10
Neuroses, personality disorders, and other mental disorders (300-309)	171
303 Alcoholism	102
305 Physical disorders of presumably psychogenic origin	2
306 Special symptoms not elsewhere classified	12
309 Mental disorders not specified as psychotic associated w/physical condition	55
Mental Retardation (310-315)	4
VI. Diseases of the nervous system and sense organs (320-389)	397
Inflammatory diseases of central nervous system (320-324)	30
320 Meningitis	20
322 Intracranial and intraspinal abscess	1
323 Encephalitis, myelitis, and encephalomyelitis	7
324 Late effects of intracranial abscess or pyogenic infection	2
Hereditary and familial diseases of nervous system (330-333)	40
330 Hereditary neuromuscular disorders	23
331 Hereditary disease of the striatopallidal system	15
333 Other hereditary and familial diseases of nervous system	2
Other diseases of central nervous system (340-349)	315
340 Multiple sclerosis	35
341 Other demyelinating diseases of central nervous system	4
342 Paralysis agitans	104
343 Cerebral spastic infantile paralysis	9
344 Other cerebral paralysis	11
345 Epilepsy	27
347 Other diseases of brain	79
348 Motor neurone disease	45
349 Other diseases of spinal cord	1
Diseases of nerves and peripheral ganglia (350-358)	10
350 Facial paralysis	3
351 Trigeminal neuralgia	1
354 Polyneuritis and polyradiculitis	2
355 Other and unspecified forms of neuralgia and neuritis	1
357 Other diseases of peripheral nerves except autonomic	3
Diseases of the ear and mastoid process (380-389)	2
381 Otitis media without mention of mastoiditis	2

-MORE-

Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

P. 5 of 10 pages

(Resident Data)

Cause of Death	Number
VII. Diseases of the circulatory system (390-458)	21,904
Active rheumatic fever (390-392)	3
390 Rheumatic fever w/o mention of heart involvement	1
391 Rheumatic fever with heart involvement	2
Heart disease (all forms) (393-398, 402, 404, 410-429)	16,327
Chronic rheumatic heart disease (393-398)	314
393 Diseases of pericardium	3
394 Diseases of mitral valve	102
395 Diseases of aortic valve	113
396 Diseases of mitral and aortic valves	24
397 Diseases of other endocardial structures	12
398 Other heart disease, specified as rheumatic	60
Hypertensive disease (400-404)	375
400 Malignant hypertension	13
401 Essential benign hypertension without mention of heart	18
402 Hypertensive heart disease	175
403 Hypertensive renal disease	101
40 Hypertensive heart and renal disease	68
Ischemic heart disease (410-414)	14,039
410 Acute myocardial infarction	6,306
411 Other acute and subacute forms of ischemic heart disease	68
412 Chronic ischemic heart disease	7,663
413 Angina pectoris	2
Other diseases of heart (420-429)	1,731
420 Acute pericarditis, nonrheumatic	2
421 Acute and subacute endocarditis	19
422 Acute myocarditis not specified as rheumatic	8
423 Chronic disease of pericardium nonrheumatic	8
424 Chronic disease of endocardium	41
425 Cardiomyopathy	122
426 Pulmonary heart disease	22
427 Symptomatic heart disease	959
428 Other myocardial insufficiency	66
429 Ill-defined heart disease	484
Cerebrovascular diseases (430-438)	3,738
430 Subarachnoid hemorrhage	151
431 Cerebral hemorrhage	444
432 Occlusion of precerebral arteries	45
433 Cerebral thrombosis	808
434 Cerebral embolism	18
435 Transient cerebral ischemia	3
436 Acute but ill-defined cerebrovascular disease	1,405
437 Generalized ischemic cerebrovascular disease	784
438 Other and ill-defined cerebrovascular disease	80
Diseases of the arteries (440-448)	1,357
440 General arteriosclerosis	735
441 Aortic aneurysm (nonsyphilitic)	336
442 Other aneurysm	34
443 Other peripheral vascular disease	22
444 Arterial embolism and thrombosis	129
445 Gangrene	73
446-448 Other diseases of arteries	28

-MORE-

Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

(Resident Data)

Cause of Death	Number
Diseases of veins and other diseases of circulatory system (450-458)	347
450 Pulmonary embolism and infarction	253
451 Phlebitis and thrombophlebitis	38
452,453 Other venous embolism and thrombosis	26
454 Varicose veins of lower extremities	3
456 Varicose veins of other specified sites	5
458 Other diseases of circulatory system	22
VIII. Diseases of the respiratory system (460-519)	2,445
Acute upper respiratory infections (460-466)	31
460 Acute nasopharyngitis (common cold)	1
464 Acute laryngitis and tracheitis	2
465 Acute upper respiratory infection of multiple or unspecified sites	11
466 Acute bronchitis and bronciolitis	17
Influenza (470-474)	158
470 Unqualified	76
471 With pneumonia	77
472 With other respiratory manifestations	5
Pneumonia (480-486)	1,078
480 Viral pneumonia	36
481 Pneumococcal pneumonia	68
482-486 Other and unspecified	974
Bronchitis, emphysema, and asthma (490-493)	411
490 Unqualified bronchitis	20
491 Chronic bronchitis	61
492 Emphysema	287
493 Asthma	43
Other diseases of upper respiratory tract (500-508)	20
Other diseases of respiratory system (510-519)	747
510 Empyema	9
511 Pleurisy	5
512 Spontaneous pneumothorax	3
513 Abscess of lung	13
514 Pulmonary congestion and hypostasis	17
515 Pneumoconiosis due to silica and silicates (occupational)	12
516 Other pneumoconioses and related diseases	3
517 Other chronic interstitial pneumonia	51
518 Bronchiectasis	12
519 Other diseases of lung and pleural cavity	622
IX. Diseases of the digestive system (520-577)	1,193
Diseases of oral cavity, salivary glands, and jaws (520-529)	2
523 Peridontal diseases	1
527 Diseases of salivary glands	1
Diseases of esophagus, stomach, and duodenum (530-537)	158
530 Diseases of esophagus	20
531 Ulcer of stomach	47
532 Ulcer of duodenum	34
533 Peptic ulcer	23
534 Gastrojejunal ulcer	13
535 Gastritis and duodenum	8
536 Disorders of function of stomach	5
537 Other diseases of stomach and duodenum	8
Appendicitis (540-543)	17
540 Acute	17

-MORE-

Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

P. 7 of 10 pages

(Resident Data)

Cause of Death	Number
Hernia of abdominal cavity (550-553)	44
550 Inguinal hernia without mention of obstruction	4
551 Other without mention of obstruction	24
552 Inguinal hernia with obstruction	3
553 Other hernia with obstruction	13
Other diseases of intestine and peritoneum (560-569)	277
560 Intestinal obstruction without mention of hernia	67
561 Gastroenteritis and colitis, except ulcerative of noninfectious origin	1
562 Diverticula of intestine	65
563 Chronic enteritis and ulcerative colitis	10
564 Functional disorders of intestine	2
566 Abscess of anal and rectal regions	1
567 Peritonitis	9
568 Peritoneal adhesions	2
569 Other diseases of intestines and peritoneum	120
Diseases of liver, gallbladder, and pancreas (570-577)	695
570 Acute and subacute necrosis of liver	7
571 Cirrhosis of liver	482
572 Suppurative hepatitis and liver abscess	1
573 Other diseases of liver	57
574 Cholelithiasis	51
575 Cholecystitis and cholangitis, without mention of calculus	31
576 Other diseases of gallbladder and biliary ducts	20
577 Diseases of pancreas	46
X. Diseases of genitourinary system (580-629)	431
Nephritis and nephrosis (580-584)	127
580 Acute nephritis	27
581 Nephrotic syndrome	4
582 Chronic nephritis	93
583 Nephritis, unqualified	2
584 Renal sclerosis, unqualified	1
Other diseases of urinary system (590-599)	263
590 Infections of kidney	49
591 Hydronephrosis	5
592 Calculus of kidney and ureter	5
593 Other diseases of kidney and ureter	123
594 Calculus of other parts of urinary system	2
595 Cystitis	3
596 Other diseases of bladder	3
598 Stricture of urethra	4
599 Other diseases of urinary tract	69
Diseases of male genital organs (600-607)	30
600 Hyperplasia of prostate	27
607 Other diseases of male genital organs	3
Diseases of breast, ovary fallopian tube, and parametrium (610-616)	4
611 Other disease of breast	1
614 Salpingitis and oophoritis, unqualified	1
616 Diseases of parametrium and pelvic peritoneum (female)	2
Diseases of uterus and other female genital organs (620-629)	7
623 Uterovaginal prolapse	2
626 Disorders of menstruation	2
629 Other diseases of the female genital organs	3

-MORE-

Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

P. 8 of 10 pages (Resident Data)

Cause of Death	Number
XI. Complications of pregnancy, childbirth, and the puerperium (630-678)	8
Complications of pregnancy (630-634)	1
631 Ectopic pregnancy	1
Urinary infections & toxemias of pregnancy & the puerperium (635-639)	3
636 Renal disease arising during pregnancy and the puerperium	2
637 Pre-eclampsia, eclampsia, and toxemia, unspecified	1
Delivery (650-662)	1
Complications of the puerperium (670-678)	3
XII. Diseases of the skin and subcutaneous tissue (680-709)	36
Infections of the skin and subcutaneous tissue (680-686)	16
682 Other cellulitis and abscess	8
686 Other local infections of skin and subcutaneous tissue	8
Other inflammatory conditions of skin and subcutaneous tissue (690-698)	9
692 Other eczema and dermatitis	1
695 Erythematous conditions	8
Other diseases of skin and subcutaneous tissue (700-709)	11
707 Chronic ulcer of skin	11
XIII. Diseases of the bones and organs of movement (710-738)	123
Arthritis and rheumatism, except rheumatic fever (710-718)	56
712 Rheumatoid arthritis and allied conditions	30
713 Osteo-arthritis and allied conditions	15
714 Other specified forms of arthritis	1
715 Arthritis, unspecified	6
716 Polymyositis and dermatomyositis	2
717 Other nonarticular rheumatism	1
718 Rheumatism, unspecified	1
Osteomyelitis and other diseases of bone and joint (720-729)	18
720 Osteomyelitis and periostitis	2
721 Osteitis deformans	1
723 Other diseases of bone	11
729 Other diseases of joint	4
Other diseases of musculoskeletal system (730-738)	49
732 Infective myositis & other inflammatory diseases of tendon & fascia	2
733 Other diseases of muscle, tendon, and fascia	4
734 Diffuse diseases of connective tissue	33
735 Curvature of spine	8
738 Other deformities	2
XIV. Congenital anomalies (740-759)	301
740 Anencephalus	17
741 Spina bifida and meningocele	10
742 Hydrocephalus	13
743 Nervous system	13
746 Heart	132
747 Circulatory system	27
748 Respiratory system	22
749 Cleft palate & cleft lip	2
750 Other of upper alimentary tract	4
751 Digestive system	5
752 Congenital anomalies of genital organs	1
753 Urinary system	14
755-758 Other	11
759 Congenital syndromes affecting multiple systems	30

-MORE-

Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

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(Resident Data)

Cause of Death	Number
XV. Certain causes of mortality in early infancy (760-779)	340
760-761 Diseases and conditions in mother unrelated to pregnancy	2
762-769 Complications of pregnancy and childbirth	64
770-771 Conditions of placenta and umbilical cord	30
772 Birth injury without mention of cause	22
774-775 Hemolytic disease of newborn	4
776 Anoxic and hypoxic conditions not elsewhere classifiable	147
777 Immaturity, unqualified	49
778 Other conditions peculiar to early infancy	22
XVI. Symptoms, senility and ill-defined conditions (780-796)	373
Symptoms referable to systems or organs (780-789)	122
Senility and ill defined diseases (790-796)	251
XVII. Accidents, poisonings, and violence (800-999)	2,751
Total accidents (800-949)	1,995
Railway accidents (800-807)	4
Motor vehicle accidents (810-823)	990
810-819 Motor vehicle traffic accidents	975
810 Motor vehicle collision with train	29
812 Motor vehicle collision with another motor vehicle	434
813 Motor vehicle collision with another vehicle	22
814 Motor vehicle collision with pedestrian	122
815 Motor vehicle collision with animal, stone, tree, fixed object	148
816 Noncollision due to loss of control	177
818 Noncollision due to fire, breakdown, explosion, etc	12
819 Motor vehicle accident, unspecified	31
820-823 Motor vehicle nontraffic accident	15
Other road vehicle accident (825-827)	2
Water transport accident (830-838)	31
Aircraft accident (840-845)	20
Accidental poisoning by drugs and medicaments (850-859)	26
852 Primarily systemic and hematologic agents	1
853 Analgesics and antipyretics	6
854 Other sedatives and hypnotics	3
855 Autonomic nervous system and psychotherapeutic drugs	4
856 Other central nervous system depressants and stimulants	1
857 Cardiovascular drugs	3
859 Other and unspecified drugs and medicaments	8
Accidental poisoning by solid and liquid substances (860-869)	13
860 Alcohol	2
863 Accidental poisoning by paints & varnishes	1
864 Accidental poisoning by petroleum products and other solvents	2
865 Accidental poisoning by pesticides, fertilizers or plant foods	1
868 Accidental poisoning by noxious foodstuffs and poisonous plants	1
869 Other and unspecified solid and liquid substances	6

-MORE-

Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1978

P. 10 of 10 pages (Resident Data)

Cause of Death	Number
Accidental poisoning by gases and vapours (870-877)	67
870 Utility (illuminating) gas	6
873 Motor vehicle exhaust gas	45
874 Carbon monoxide from imcomplete combustion of domestic fuels	2
875 Accidental poisoning by other carbon monoxide	5
876,877 Other specified gases and vapours	9
Accidental falls (880-887)	299
880 Fall on stairs	42
881 Fall from ladders	10
882-884 Other falls from one level to another	48
885,886 Fall on same level	31
887 Other and unspecified fall	168
Accidents caused by fires and flames (890-899)	119
Accidents due to natural and environmental factors (900-909)	34
Other accidents (910-929)	351
910 Accidental drowning and submersion	106
911 Inhalation and ingestion of food causing obstruction or suffocation	32
912 Inhalation and ingestion of other object causing obstruction or suffocation.	6
913 Accidental mechanical suffocation	28
915 Foreign body accidentally entering other orifice	1
916,917 Struck accidentally by objects	58
918 Caught in between objects	14
920 Cutting or piercing instruments	2
921 Explosion of pressure vessel	2
922 Firearm missiles	25
923 Explosive material	7
924 Hot substance, corrosive liquid, and steam	4
925 Electric current	27
928 Accident caused by machinery	20
919,927,929 Other and unspecified accidents	19
Surgical and medical complications and misadventures (930-936)	17
Late effects of accidental injury (940-949)	22
940 Motor vehicle accidents	3
943,945 946,947,949 Other late effects	19
Suicide and self-inflicted injury (950-959)	582
950 Solid or liquid substances	60
951-952 Gases	90
953 Hanging, strangulation and suffocation	90
954 Submersion (drowning)	22
955 Firearms and explosives	288
956 Cutting and piercing instruments	11
957 Jumping from high places	13
958 Other and unspecified	6
959 Late effect of self-inflected injury	2
Homicide and injury purposely inflicted by other persons (960-969)	127
964 Assault by submersion (drowning)	1
965 Assault by firearm and explosive	73
966 Assault by cutting and piercing instruments	24
960-963, 968,969 Assault by other and unspecified means	29
Legal intervention (970-978)	1
970 Injury due to legal intervention by firearms	1
Undetermined whether accidentally or purposely inflicted (980-989)	46

Table 31a

DEATHS BY UNDERLYING CAUSE, BY NON-UNDERLYING CAUSES
Wisconsin, Five Years, 1974-1978

Page 1 of 2 pages

(Resident Deaths Only)

ICDA-8 cause-classification of underlying cause			Deaths with given underlying cause	Other non-underlying causes listed with given underlying cause[1]							
ICDA-8 codes	No.	Name of category		ALL CAUSES	INFECT & PARASITIC	MALIGNANT NEOPLASMS	BENIGN & NS NEOPLASMS	ENDOCR, NUTRI & METAB	BLOOD & BLOODFORMING	MENTAL, INC ALCO, DRUG	NERV SYS & SENSE ORGS
				Total	1	2	3	4	5	6	7
		ALL CAUSES	200,527	249,468	4,574	6,322	453	17,098	3,528	7,983	7,226
000-136	1	INFECT & PARASITIC	1,316	2,538	-	135	7	130	59	70	102
140-209	2	MALIGNANT NEOPLASMS	39,691	35,442	1,115	-	60	3,329	1,401	398	651
210-239	3	BENIGN & NS NEOPLASMS	317	521	11	7	-	28	10	7	25
240-279	4	ENDOCR, NUTRI & METAB	4,784	10,382	185	150	25	-	96	260	270
280-289	5	BLOOD & BLOODFORMING	533	1,130	71	48	4	61	-	19	19
290-315	6	MENTAL, INC ALCO,DRUG	1,093	1,651	32	19	3	152	18	-	73
320-389	7	NERV SYS & SENSE ORGS	1,893	2,844	72	43	6	146	21	140	-
		(Subtotal, 8a-8d)	(110,822)	(152,284)	(1,226)	(4,472)	(252)	(11,293)	(1,312)	(4,201)	(4,827)
410-414	(8a)	(Ischemic heart dis)	(71,094)	(100,733)	(587)	(2,849)	(136)	(7,725)	(878)	(2,394)	(2,273)
2/	(8b)	(All other heart dis)	(9,510)	(9,093)	(132)	(364)	(21)	(582)	(109)	(203)	(246)
430-438	(8c)	(Cerebrovascular dis)	(20,974)	(29,635)	(210)	(722)	(54)	(2,160)	(176)	(1,024)	(1,991)
3/	(8d)	(Hyperten,artscl,oth)	(9,244)	(12,823)	(297)	(537)	(41)	(826)	(149)	(580)	(317)
460-519	9	RESPIRATORY SYSTEM	11,491	17,230	441	815	44	793	198	835	575
520-577	10	DIGESTIVE SYSTEM	6,499	9,959	600	341	22	556	218	784	131
580-629	11	GENITOURINARY SYSTEM	2,350	4,905	463	122	9	280	95	136	117
630-678	12	PREG, BIRTH & PUERPER	27	37	-	-	-	2	2	-	1
680-709	13	SKIN & SUBCUTANE TIS	168	354	87	8	-	12	6	11	8
710-738	14	MUSCULOSKEL & CON TIS	659	1,360	57	29	3	80	29	30	45
740-759	15	CONGENITAL ANOMALIES	1,423	1,929	40	10	4	46	15	43	73
760-779	16	PERINATAL DISEASE	2,002	404	41	-	1	8	3	1	9
780-796	17	SYMPT & ILL-DEF CONDS	1,776	52	1	-	-	1	-	25	2
E800-E999	18	ACCI,POISONS,VIOLENCE	13,683	6,446	132	123	13	181	45	1,023	298

1/ Each cause-category is counted only once per death; therefore, any death is counted only once in the same column. But the same death may be counted in more than one column of any given line. 2/ 391-392.0, 393-398, 402, 404, 420-429. 3/ 390, 392.9, 400, 401, 403, 440-458.

NOTE: Table 31a is tabulated using the rule that all causes of death listed on a death certificate which fall within a given group of ICDA-8 codes are combined into a single mention, and classified either as underlying cause or as a non-underlying cause, according to whether the underlying cause previously selected for the death is or is not in the given group of ICDA-8 codes. Therefore, the same cause cannot appear both as underlying and as non-underlying cause, and all of the diagonal cells of the table are blank.

Because there can be only one underlying cause per death, the frequencies in the first column add to 200,527, the total number of deaths reported for these five years. But in the second column, "All causes," the numbers which appear are the totals of those in columns 1-18 (including 8a through 8d), and apply only when causes are counted using this specific cause-classification. More detailed cause-categories would make these total numbers larger, while a more collapsed classification (for example, one with only five categories) would make them considerably smaller.

The totals at the top of columns 1-18 are the total numbers of death certificates on which at least one cause within the given cause-group was listed, but for which the underlying cause of the death was not in the given group. Therefore, a column total can be added to the number of deaths with the (continued at right)

Table 31a

DEATHS BY UNDERLYING CAUSE, BY NON-UNDERLYING CAUSE
Wisconsin, Five Years, 1974-1978

Page 2 of 2 pages

(Resident Deaths Only)

Other non-underlying causes listed with given underlying cause1/														
Ischemic heart dis 8a	All other heart dis 8b	Cerebrovascular dis 8c	Hyperten, artscl,oth 8d	RESPIRATORY SYSTEM 9	DIGESTIVE SYSTEM 10	GENITOURINARY SYSTEM 11	PREG,BIRTH & PUERPER 12	SKIN & SUBCUTANE TIS 13	MUSCULOSKEL & CON TIS 14	CONGENITAL ANOMALIES 15	PERINATAL DISEASE 16	SYMPT & ILL-DEF CONDS 17	ACCI, POISONS, VIOLENCE 18	No.
13,380	43,938	13,138	36,106	25,212	9,257	8,172	8	1,007	3,914	586	675	41,990	4,901	
130	298	78	144	316	169	144	-	19	50	17	71	540	59	1
2,966	3,321	1,174	2,558	5,397	3,264	1,403	1	113	428	48	2	6,842	971	2
33	46	43	43	45	33	23	-	2	5	4	2	88	66	3
2,137	1,314	884	1,605	729	284	626	-	86	166	11	9	1,423	122	4
89	127	78	105	105	80	51	-	10	17	3	1	218	24	5
60	138	51	89	352	131	52	-	16	18	3	-	306	138	6
150	237	141	163	593	65	133	-	32	52	14	8	670	158	7
(3,990)	(33,060)	(8,635)	(27,629)	(15,061)	(4,051)	(4,382)	(6)	(525)	(2,582)	(239)	(25)	(22,506)	(2,010)	
(-)	(29,059)	(7,532)	(17,096)	(8,742)	(2,451)	(2,441)	(-)	(286)	(1,760)	(96)	(1)	(13,594)	(833)	(8a)
(339)	(-)	(626)	(1,382)	(1,255)	(371)	(434)	(-)	(29)	(148)	(39)	(12)	(2,438)	(363)	(8b)
(2,714)	(2,089)	(-)	(9,151)	(3,557)	(541)	(666)	(2)	(118)	(414)	(81)	(6)	(3,621)	(338)	(8c)
(937)	(1,912)	(477)	(-)	(1,507)	(688)	(841)	(4)	(92)	(260)	(23)	(6)	(2,853)	(476)	(8d)
2,091	2,791	1,082	1,395	-	635	493	1	57	291	94	29	4,352	218	9
695	852	232	1,127	978	-	571	-	41	142	35	47	1,860	727	10
460	539	269	441	390	194	-	-	29	80	13	5	1,111	152	11
-	7	2	1	3	2	2	-	-	-	-	-	12	3	12
17	26	14	31	31	11	15	-	-	10	-	-	61	6	13
83	162	42	132	192	65	61	-	28	-	6	-	228	88	14
49	316	61	49	146	64	57	-	2	8	-	469	331	146	15
-	13	6	6	38	29	18	-	-	-	72	-	149	10	16
1	2	1	2	3	-	1	-	5	1	-	4	-	3	17
429	689	345	586	833	180	140	-	42	64	27	3	1,293	-	18

(continued from left) corresponding underlying cause to give the total number of death certificates on which mention was made of one or more of the conditions classifiable in the given group.

Table 31a has been expanded to include columns for non-underlying causes in each of four circulatory system categories. This has been done in order to show the extent to which deaths with circulatory system underlying causes also list circulatory system non-underlying causes (where lines 8a through 8d cross columns 8a through 8d). The non-underlying causes in this part of the table sum to 106,562, which is nearly as large as the sum of all deaths with circulatory system underlying causes (112,481), amounting to about one per death. (Actually, a good many of these deaths have two or more non-underlying circulatory system causes, while some do not have any. Deaths with non-circulatory underlying causes can also have more than one circulatory non-underlying cause.)

For the five years 1974-1978 covered in this year's Table 31a, the total number of non-underlying causes is 249,468. This is an increase of 85,900 (52.5 percent) over the 163,568 total in last year's Table 31a. Non-underlying circulatory causes in columns 8a through 8d exceed those in last year's column 8 by 80,805. The remaining difference is distributed over the other columns, and reflects the fact that a re-editing of the original death records brought to light additional non-underlying causes inadvertantly excluded from earlier tabulations. This caused an average increase of 3.7 percent in these column totals, even though the total number of deaths covered by the table is 0.5 percent below the total number on the earlier table.

1/, 2/, 3/: See preceding page.

Table 32

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 1 of 8 pages

(Resident Data)

Cause of Death	All Ages			Under 1		1-4		5-9		10-14	
	Total	Male	Female	M	F	M	F	M	F	M	F
Total - all causes of death	40,281*	22,062	18,219	429	339	102	59	71	49	93	45
I. Infective and parasitic diseases 000-136	296	161	135	18	8	1	1			1	
010-019 Tuberculosis - all forms	37	24	13								
038,039 Septicemia, & other bacterial diseases	160	88	72	12	3					1	
All other infective & parasitic diseases	99	49	50	6	5	1	1				
II. Neoplasms 140-239	8,348	4,555	3,793	2	3	14	7	16	14	10	8
140-209 Neoplasms, malignant	8,283	4,530	3,753	1	1	14	7	15	13	10	8
140-149 Buccal cavity & pharynx	179	125	54								
150 Esophagus	152	117	35								
151 Stomach	331	200	131								
153 Large intestines, exc. rectum	954	468	486								
154 Rectum	229	138	91								
155,156 Liver (primary), bile ducts, gallbladder	184	79	105								
157 Pancreas	448	226	222								
160,161,163 Respiratory, except lung, trachea & bronchus	81	62	19								
162 Trachea, lung & bronchus	1,620	1,257	363								
174 Breast	744	3	741								
180-184 Cervix uteri, ovary & other female genital organs	442		442								
185-187 Prostate & other male genital organs	541	541									
188 Bladder	232	172	60								
189 Kidney & other urinary organs	190	123	67			1					
191 Brain	155	80	75			2	1	4	2	1	
204-207 Leukemia & aleukemia	380	219	161			6	5	5	5	6	6
200-203,208,209 Lymphosarcoma and hematopoietic tissue	513	263	250					1	3	1	
Other malignant neoplasms	908	457	451	1	1	5	1	5	3	2	2
210-239 Neoplasms, benign and unspecified	65	25	40	1	2			1	1		
III. Endocrine, nutritional, & metabolic dis. 240-279	964	425	539	2	3	1	1	1	3	4	2
250 Diabetes mellitus	739	313	426						1		
260-269 Avitaminoses, other nutritional deficiencies	75	37	38	1	3						
Other metabolic diseases	150	75	75	1		1	1	1	2	4	2
IV. Diseases of blood & blood forming organs 280-289	124	56	68			1	1		1	2	
280-285 Anemias	77	34	43				1		1	1	
286-289 All other	47	22	25			1				1	
V. Mental disorders 290-315	251	140	111								
VI. Diseases of nervous system & sense organs 320-389	397	212	185	3	8	6	7	3	2	3	4
VII. Diseases of the circulatory system 390-458	21,903	11,553	10,350	9	8	5	4	1	3	2	3
390-392 Rheumatic fever	3	2	1								
393-398 Chronic rheumatic heart disease	314	133	181								
400(exc. 400.1), 401,403 Hypertension without mention of heart	129	64	65				1				
400.1,402,404 Hypertension w/heart disease	246	109	137								
410 Acute ischemic heart disease	6,306	3,908	2,398								1
412 Chronic ischemic heart disease	7,662	3,768	3,894								
411,413 Other ischemic heart disease	70	39	31								
424,428 Chronic disease of endocardium, other myocardial insufficiency	107	44	63	1	1						

*Three male, age unknown, not tabulated. One, sex unknown not included in total.

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 2 of 8 pages (Resident Data)

Cause of Death	All Ages			Under 1		1-4		5-9		10-14	
	Total	Male	Female	M	F	M	F	M	F	M	F
430-438 Cerebrovascular disease	3,738	1,648	2,090	2	2	3	1			1	1
440 Arteriosclerosis	735	329	406								
441-448 Other diseases of arteries, arterioles	622	358	264				1			1	
450-458 Diseases of veins & lymphatics, & diseases of circulatory system	347	181	166	1							
All other forms of heart disease	1,624	970	654	5	5	2	1	1	3		1
VIII. Diseases of the respiratory system 460-519	2,444	1,518	926	21	11	12	3	3	2	7	1
470-474 Influenza	158	66	92								
480-486 Pneumonia	1,078	586	492	12	4	6	1	2	1	3	
490,491 Bronchitis, chronic & unqualified	81	53	28	1	2						
492,493 Emphysema and asthma	330	244	86							2	
Other	797	569	228	8	5	6	2	1	1	2	1
IX. Diseases of the digestive system 520-577	1,193	647	546	6	9	1				1	
531-534 Ulcer of the stomach, duodenum; peptic and gastrojejunal	117	64	53	1							
571 Cirrhosis of liver	482	306	176	1							
571.0 with alcoholism	211	138	73								
571.8,.9 w/out mention of alcohol	271	168	103	1							
Other	594	277	317	4	9	1				1	
X. Diseases of genitourinary system 580-629	430	245	185	3	1			1	1		1
580-584 Nephritis & nephrosis	126	67	59	1	1			1	1		1
590 Infections of kidney	49	22	27								
600 Hyperplasia of prostate	27	27									
Other	228	129	99	2							
XI. Complications of pregnancy, childbirth and puerperium 630-678	8		8								
640-645 Abortions											
Other	8		8								
XII. Diseases of skin & subcutaneous tissue 680-709	36	14	22	1							
XIII. Diseases of musculoskeletal system and connective tissue 710-738	123	48	75								
XIV. Congenital anomalies 740-759	301	146	155	91	92	13	12	3	5	5	4
XV. Certain causes of perinatal morbidity and mortality 760-779	339	195	144	195	144						
764-768: .0-.3, 772 Birth injuries	25	18	7	18	7						
764-768: .4, .9,776 Anoxic & hypoxic conditions	152	87	65	87	65						
Other	162	90	72	90	72						
XVI. Symptoms, senility, and ill-defined causes of mortality 780-796	373	211	162	67	43						
XVII. Accidents, poisonings and violence E800-999	2,751	1,936	815	11	9	48	23	43	18	58	22
810-823 Motor vehicle	990	703	287	2	1	15	8	19	11	14	8
800-807,825-827,830-949 All other accidents	1,005	675	330	6	6	31	13	23	6	36	9
950-959 Suicide	582	442	140							6	2
960-978 Homicide & legal intervention	128	85	43	2	2	1	1	1	1	1	2
980-999 Operations of war & undetermined violent deaths	46	31	15	1		1	1			1	1

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 3 of 8 pages (Resident Data)

Cause of Death	15-19		20-24		25-29		30-34		35-39		40-44	
	M	F	M	F	M	F	M	F	M	F	M	F
Total - all causes of death	338	114	366	127	256	108	243	122	237	131	274	193
I. Infective and parasitic diseases 000-136		2	2		1	2	1	1	2	3	5	2
010-019 Tuberculosis - all forms												
038,039 Septicemia, & other bacterial diseases			1			1		1	1	1	3	1
All other infective & parasitic diseases		2	1		1	1	1		1	2	2	1
II. Neoplasms 140-239	19	10	26	8	14	19	28	39	38	39	63	69
140-209 Neoplasms, malignant	19	9	26	7	14	18	27	39	38	39	63	68
140-149 Buccal cavity & pharynx					1	1			2		6	
150 Esophagus											1	
151 Stomach							2	1		1	1	1
153 Large intestines, exc. rectum							1	3	4	2	7	6
154 Rectum								1			2	1
155,156 Liver (primary), bile ducts, gallbladder	1		1				1				1	1
157 Pancreas			1	1		1			2			4
160,161,163 Respiratory, except lung, trachea & bronchus									3		1	
162 Trachea, lung & bronchus					1		6	1	6	5	15	7
174 Breast								10		11	1	24
180-184 Cervix uteri, ovary & other female genital organs		1				1		5		3		7
185-187 Prostate & other male genital organs	3		5		1				2			
188 Bladder											1	1
189 Kidney & other urinary organs			1		1	1			1		3	
191 Brain	1	2	2	1	2	5	6	1	1	2	3	1
204-207 Leukemia & aleukemia	2	3	6	1	1	1	4	3	4	2	5	4
200-203,208,209 Lymphosarcoma and hematopoietic tissue	5	1	7	4	4	4	3	6	2	4	5	3
Other malignant neoplasms	7	2	3		3	4	4	8	11	9	11	8
210-239 Neoplasms, benign and unspecified		1		1		1	1					1
III. Endocrine, nutritional, & metabolic dis. 240-279	4	1		3	1	4	10	5	5	6	10	3
250 Diabetes mellitus				1	1	1	10	2	3	4	5	2
260-269 Avitaminoses, other nutritional deficiencies								1				
Other metabolic diseases	4	1		2		3		2	2	2	5	1
IV. Diseases of blood & blood forming organs 280-289	1			3	3		1		1		2	
280-285 Anemias	1			1	2		1		1		1	
286-289 All other				2	1						1	
V. Mental disorders 290-315	1	1		1	1	2	1	1	3	2	6	1
VI. Diseases of nervous system & sense organs 320-389	8	1	6	10	3	3	9	3	7	2	3	3
VII. Diseases of the circulatory system 390-458	7	8	17	11	19	11	31	17	67	28	96	54
390-392 Rheumatic fever												
393-398 Chronic rheumatic heart disease					1		3	1		2	3	1
400(exc. 400.1), 401,403 Hypertension without mention of heart												1
400.1,402,404 Hypertension w/heart disease			1						2		4	1
410 Acute ischemic heart disease	1	1	3		4	1	15	3	33	4	45	11
412 Chronic ischemic heart disease					3		1	1	16	3	16	12
411,413 Other ischemic heart disease					1						1	1
424,428 Chronic disease of endocardium, other myocardial insufficiency					1	1				1		1

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 4 of 8 pages (Resident Data)

Cause of Death	15-19		20-24		25-29		30-34		35-39		40-44	
	M	F	M	F	M	F	M	F	M	F	M	F
430-438 Cerebrovascular disease	1	4	5	3	3	6	3	7	5	12	9	11
440 Arteriosclerosis												
441-448 Other diseases of arteries, arterioles			1	1	3		1	1		2	5	1
450-458 Diseases of veins & lymphatics, & diseases of circulatory system	1	2	1	1	1			2		2	1	4
All other forms of heart disease	4	1	6	6	2	3	8	2	11	2	12	10
VIII. Diseases of the respiratory system 460-519	8	1	1	3	5	3	4	7	3	4	5	11
470-474 Influenza												1
480-486 Pneumonia	4		1	2	3	2		5	2	3	4	6
490,491 Bronchitis, chronic & unqualified												
492,493 Emphysema and asthma	2	1				1	1	1			1	1
Other	2			1	2		3	1	1	1		3
IX. Diseases of the digestive system 520-577	1		2	2	7	1	10	3	14	7	11	13
531-534 Ulcer of the stomach, duodenum; peptic and gastrojejunal											1	1
571 Cirrhosis of liver				1	2		8	2	9	4	7	12
571.0 with alcoholism					1		5	1	4	2	5	7
571.8,.9 w/out mention of alcohol				1	1		3	1	5	2	2	5
Other	1		2	1	5	1	2	1	5	3	3	
X. Diseases of genitourinary system 580-629					1	1	3		3	2	3	1
580-584 Nephritis & nephrosis					1				1		2	
590 Infections of kidney							1			1		
600 Hyperplasia of prostate												
Other						1	2		2	1	1	1
XI. Complications of pregnancy, childbirth and puerperium 630-678		1		3		3		1				
640-645 Abortions												
Other		1		3		3		1				
XII. Diseases of skin & subcutaneous tissue 680-709				1				2				
XIII. Diseases of musculoskeletal system and connective tissue 710-738	1	1				1	1	1		3	1	2
XIV. Congenital anomalies 740-759	4	4	2	3	2	1	3	2	2	1	1	
XV. Certain causes of perinatal morbidity and mortality 760-779												
764-768: .0-.3, 772 Birth injuries												
764-768: .4, .9,776 Anoxic & hypoxic conditions												
Other												
XVI. Symptoms, senility, and ill-defined causes of mortality 780-796	2	2	2	2	1		1			2	1	1
XVII. Accidents, poisonings and violence E800-999	282	82	308	77	198	57	140	40	92	32	67	33
810-823 Motor vehicle	154	60	159	34	84	23	46	14	31	11	20	7
800-807,825-827,830-949 All other accidents	66	13	66	13	55	10	43	10	24	3	21	12
950-959 Suicide	51	7	63	17	42	10	37	14	28	12	21	10
960-978 Homicide & legal intervention	10	2	15	12	11	10	11	2	4	5	3	2
980-999 Operations of war & undetermined violent deaths	1		5	1	6	4	3		5	1	2	2

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 5 of 8 pages

(Resident Data)

	45-49		50-54		55-59		60-64		65-69	
Cause of Death	M	F	M	F	M	F	M	F	M	F
Total - all causes of death	554	345	924	517	1345	770	2065	1135	2572	1582
I. Infective and parasitic diseases 000-136	2	7	7	2	9	8	11	11	19	13
010-019 Tuberculosis - all forms	1		1	1	1	1	3	2	4	4
038,039 Septicemia, & other bacterial diseases	1	3	2		3	6	6	5	8	3
All other infective & parasitic diseases		4	4	1	5	1	2	4	7	6
II. Neoplasms 140-239	125	137	267	251	377	334	600	433	677	518
140-209 Neoplasms, malignant	124	137	266	249	375	332	595	429	676	515
140-149 Buccal cavity & pharynx	3	1	10	5	14	9	25	4	20	10
150 Esophagus	6	1	10	4	13	1	17	5	24	6
151 Stomach	5	3	16	5	13	8	19	11	26	9
153 Large intestines, exc. rectum	5	12	19	25	38	31	55	45	68	66
154 Rectum	3	1	3	7	7	3	16	7	19	7
155,156 Liver (primary), bile ducts, gallbladder	3	3	2	3	6	10	11	3	20	24
157 Pancreas	8	5	9	6	23	18	38	25	32	30
160,161,163 Respiratory, except lung, trachea & bronchus	4		6	2	9	4	9	2	10	2
162 Trachea, lung & bronchus	40	17	104	37	151	50	216	65	222	48
174 Breast		35	1	68		86	1	107		97
180-184 Cervix uteri, ovary & other female genital organs		23		41		42		51		61
185-187 Prostate & other male genital organs	3		3		10		34		58	
188 Bladder	2		3	2	5	1	13	3	25	6
189 Kidney & other urinary organs	4	2	8	2	11	3	27	5	24	10
191 Brain	1	4	9	5	6	10	7	12	10	11
204-207 Leukemia & aleukemia	8	8	11	10	12	6	16	9	25	24
200-203,208,209 Lymphosarcoma and hematopoietic tissue	15	9	15	9	18	17	30	25	32	41
Other malignant neoplasms	14	13	37	18	39	33	61	50	61	63
210-239 Neoplasms, benign and unspecified	1		1	2	2	2	5	4	1	3
III. Endocrine, nutritional, & metabolic dis. 240-279.	14	4	25	16	25	20	39	40	49	62
250 Diabetes mellitus	9	3	19	11	20	16	32	33	40	47
260-269 Avitaminoses, other nutritional deficiencies			1	1			2	3	3	1
Other metabolic diseases	5	1	5	4	5	4	5	4	6	14
IV. Diseases of blood & blood forming organs 280-289.	2		1	2		4	6	4	7	4
280-285 Anemias	1		1	1		2	5	1	3	3
286-289 All other	1			1		2	1	3	4	1
V. Mental disorders 290-315	17	1	15	5	13	6	17	12	14	4
VI. Diseases of nervous system & sense organs 320-389	7	12	8	6	12	11	20	16	20	18
VII. Diseases of the circulatory system 390-458	250	92	420	143	667	247	1045	452	1364	783
390-392 Rheumatic fever	1						1			
393-398 Chronic rheumatic heart disease	7	6	9	7	10	11	19	22	22	29
400(exc. 400.1), 401,403 Hypertension without mention of heart			1	1	3		5	2	2	6
400.1,402,404 Hypertension w/heart disease	3		4	3	8	6	9	8	12	13
410 Acute ischemic heart disease	137	30	201	45	312	95	475	152	559	265
412 Chronic ischemic heart disease	47	12	101	30	173	46	266	109	378	221
411,413 Other ischemic heart disease	2		2	1	6	2	3	1	5	1
424,428 Chronic disease of endocardium, other myocardial insufficiency					4	1	1	1	3	1

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 6 of 8 pages (Resident Data)

Cause of Death	45-49		50-54		55-59		60-64		65-69	
	M	F	M	F	M	F	M	F	M	F
430-438 Cerebrovascular disease	17	20	39	26	39	39	107	73	161	121
440 Arteriosclerosis		1		1	3		12	7	22	11
441-448 Other diseases of arteries, arterioles	3	5	9	5	13	10	34	6	50	26
450-458 Diseases of veins & lymphatics, & diseases of circulatory system	9	4	7	3	8	10	16	15	25	10
All other forms of heart disease	24	14	47	21	88	27	97	56	125	79
VIII. Diseases of the respiratory system 460-519	10	8	39	14	64	30	114	55	206	77
470-474 Influenza		1			2		2	2	5	4
480-486 Pneumonia	2	3	15	4	22	8	27	22	50	25
490,491 Bronchitis, chronic & unqualified			3		1	2	7	4	5	3
492,493 Emphysema and asthma	3	1	8	6	11	6	34	8	47	11
Other	5	3	13	4	28	14	44	19	99	34
IX. Diseases of the digestive system 520-577	39	36	40	32	69	49	98	39	89	40
531-534 Ulcer of the stomach, duodenum; peptic and gastrojejunal	3	2	1		3		8	2	5	2
571 Cirrhosis of liver	25	24	26	22	46	36	62	24	55	14
571.0 with alcoholism	13	14	13	13	23	15	33	9	21	3
571.8,.9 w/out mention of alcohol	12	10	13	9	23	21	29	15	34	11
Other	11	10	13	10	20	13	28	13	29	24
X. Diseases of genitourinary system 580-629	2	1	3	4	8	5	7	16	24	13
580-584 Nephritis & nephrosis	1			1	5	3	4	5	7	4
590 Infections of kidney		1			1			2	2	2
600 Hyperplasia of prostate										
Other	1		3	3	2	2	3	9	15	7
XI. Complications of pregnancy, childbirth and puerperium 630-678										
640-645 Abortions										
Other										
XII. Diseases of skin & subcutaneous tissue 680-709				1			3	3	1	2
XIII. Diseases of musculoskeletal system and connective tissue 710-738	2	2	1	4	2	3	8	5	9	9
XIV. Congenital anomalies 740-759	4	2	3	4	3	5	2	4	3	1
XV. Certain causes of perinatal morbidity and mortality 760-779										
764-768: .0-.3, 772 Birth injuries										
764-768: .4, .9,776 Anoxic & hypoxic conditions										
Other										
XVI. Symptoms, senility, and ill-defined causes of mortality 780-796	1	3	3	1	8	6	12	7	10	4
XVII. Accidents, poisonings and violence E800-999	79	40	92	32	88	42	83	38	80	34
810-823 Motor vehicle	21	12	24	8	20	16	23	8	14	12
800-807,825-827,830-949 All other accidents	34	12	28	10	33	12	31	16	33	18
950-959 Suicide	18	13	28	13	31	12	25	14	30	4
960-978 Homicide & legal intervention	5	1	10	1	3	2	4		3	
980-999 Operations of war & undetermined violent deaths	1	2	2		1					

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 7 of 8 pages

(Resident Data)

Cause of Death	70-74		75-79		80-84		85+		Unk.	
	M	F	M	F	M	F	M	F	M	F
Total - all causes of death	3,103	2,032	3,033	2,589	2,860	3,039	3,197	4,923	-	--
I. Infective and parasitic diseases 000-136	18	17	17	20	20	13	27	25		
010-019 Tuberculosis - all forms	4	2	2	2	5	1	3			
038,039 Septicemia, & other bacterial diseases	9	11	10	10	11	10	20	17		
All other infective & parasitic diseases	5	4	5	8	4	2	4	8		
II. Neoplasms 140-239	741	547	639	510	514	431	385	416		
140-209 Neoplasms, malignant	739	544	634	503	511	425	383	410		
140-149 Buccal cavity & pharynx	14	8	16	8	5	2	9	6		
150 Esophagus	20	6	9	3	8	5	9	4		
151 Stomach	33	18	27	16	39	26	19	32		
153 Large intestines, exc. rectum	91	90	65	68	69	68	46	70		
154 Rectum	25	14	27	10	17	14	19	26		
155,156 Liver (primary), bile ducts, gallbladder	12	20	7	18	6	10	8	13		
157 Pancreas	40	34	26	42	33	22	14	34		
160,161,163 Respiratory, except lung, trachea & bronchus	8	2	6	3	4	2	2	2		
162 Trachea, lung & bronchus	205	43	161	45	84	20	46	25		
174 Breast		97		88		64		54		
180-184 Cervix uteri, ovary & other female genital organs		69		49		59		30		
185-187 Prostate & other male genital organs	94		117		113		98			
188 Bladder	32	12	31	9	29	15	31	11		
189 Kidney & other urinary organs	14	9	15	18	9	13	4	4		
191 Brain	12	7	7	4	5	4	1	3		
204-207 Leukemia & aleukemia	29	15	31	22	24	15	24	22		
200-203,208,209 Lymphosarcoma and hematopoietic tissue	37	45	36	35	35	25	17	19		
Other malignant neoplasms	73	55	53	65	31	61	36	55		
210-239 Neoplasms, benign and unspecified	2	3	5	7	3	6	2	6		
III. Endocrine, nutritional, & metabolic dis. 240-279	55	70	60	96	63	97	57	103		
250 Diabetes mellitus	40	61	48	83	45	87	41	74		
260-269 Avitaminoses, other nutritional deficiencies	7		3	3	7	5	13	21		
Other metabolic diseases	8	9	9	10	11	5	3	8		
IV. Diseases of blood & blood forming organs 280-289	4	4	5	9	7	10	13	26		
280-285 Anemias	2		2	4	3	7	10	22		
286-289 All other	2	4	3	5	4	3	3	4		
V. Mental disorders 290-315	10	7	18	13	15	16	9	39		
VI. Diseases of nervous system & sense organs 320-389	33	26	29	17	18	21	14	15		
VII. Diseases of the circulatory system 390-458	1,810	1,113	1,798	1,611	1,797	2,105	2,148	3,657		
390-392 Rheumatic fever						1				
393-398 Chronic rheumatic heart disease	21	29	11	29	13	18	14	26		
400(exc. 400.1), 401,403 Hypertension without mention of heart	15	7	12	12	13	15	13	20		
400.1,402,404 Hypertension w/heart disease	13	17	17	30	15	19	21	40		
410 Acute ischemic heart disease	674	335	615	474	467	469	367	512		
412 Chronic ischemic heart disease	555	351	575	563	675	800	962	1,746		
411,413 Other ischemic heart disease	3	5	5	5	3	6	8	9		
424,428 Chronic disease of endocardium, other myocardial insufficiency	5	8	12	10	3	14	14	24		

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 8 of 8 pages (Resident Data)

Cause of Death	70-74		75-79		80-84		85+		Unk.	
	M	F	M	F	M	F	M	F	M	F
430-438 Cerebrovascular disease................	247	213	289	318	301	476	416	757		
440 Arteriosclerosis......................	23	23	42	38	83	91	144	234		
441-448 Other diseases of arteries, arterioles..	74	33	64	28	60	58	40	87		
450-458 Diseases of veins & lymphatics, & diseases of circulatory system........	28	20	24	23	31	37	28	33		
All other forms of heart disease........	152	72	132	81	133	101	121	169		
VIII. Diseases of the respiratory system 460-519......	229	105	247	109	239	158	301	324		
470-474 Influenza............................	6	3	10	10	11	21	30	50		
480-486 Pneumonia............................	60	42	78	48	118	101	177	215		
490,491 Bronchitis, chronic & unqualified.......	11	7	8	3	8	4	9	3		
492,493 Emphysema and asthma..................	40	13	42	13	28	12	25	12		
Other................................	112	40	109	35	74	20	60	44		
IX. Diseases of the digestive system 520-577........	77	51	67	77	60	75	55	112		
531-534 Ulcer of the stomach, duodenum; peptic and gastrojejunal....................	13	8	13	10	7	11	9	17		
571 Cirrhosis of liver.....................	33	12	19	17	10	4	3	4		
571.0 with alcoholism................	15	7	5	2						
571.8,.9 w/out mention of alcohol.....	18	5	14	15	10	4	3	4		
Other................................	31	31	35	50	43	60	43	91		
X. Diseases of genitourinary system 580-629........	30	23	35	33	51	29	71	54		
580-584 Nephritis & nephrosis..................	9	10	9	14	13	8	13	11		
590 Infections of kidney...................	2	2	4	6	4	5	8	8		
600 Hyperplasia of prostate...............	2		8		7		10			
Other................................	17	11	14	13	27	16	40	35		
XI. Complications of pregnancy, childbirth and puerperium 630-678........................										
640-645 Abortions............................										
Other................................										
XII. Diseases of skin & subcutaneous tissue 680-709...	2	1	1	5	2	4	4	3		
XIII. Diseases of musculoskeletal system and connective tissue 710-738....................	4	9	9	14	5	6	5	15		
XIV. Congenital anomalies 740-759..................	2	6	1	4	1	3	1	2		
XV. Certain causes of perinatal morbidity and mortality 760-779..........................										
764-768: .0-.3, 772 Birth injuries.............										
764-768: .4, .9,776 Anoxic & hypoxic conditions.										
Other................................										
XVI. Symptoms, senility, and ill-defined causes of mortality 780-796...........................	21	9	31	19	13	15	38	48		
XVII. Accidents, poisonings and violence E800-999.....	67	44	76	52	55	56	69	84		
810-823 Motor vehicle..........................	18	16	23	19	12	13	4	6		
800-807,825-827,830-949 All other accidents.....	24	20	31	28	33	43	57	76		
950-959 Suicide...............................	23	7	21	4	10		8	1		
960-978 Homicide & legal intervention..........	1									
980-999 Operations of war & undetermined violent deaths.......................	1	1	1	1				1		

Table 33
DEATHS BY MAJOR CAUSES; BY AGE, BY WHITE AND NONWHITE
Wisconsin, 1978

P. 1 of 4 pages (Resident Data)

Cause of Death	ICDA	Total**		Race		Under 1		1-4		5-9	
		No.	Rate	W	NW	W	NW	W	NW	W	NW
Total		40,285	860.2	39,217*	1,054	693	75	142	18	110	9
Infective & Parasitic Diseases	000-136	296	6.3	281	15	21	5	2			
Tuberculosis - all forms	010-019	37	0.8	36	1						
Septicemia and other bacterial diseases	038,039	160	3.4	152	8	14	1				
All other infective & parasitic diseases		99	2.1	93	6	7	4	2			
Malignant Neoplasms	140-209	8,283	176.9	8,056	227	2		20	1	26	2
Buccal cavity and pharynx	140-149	179	3.8	171	8						
Esophagus	150	152	3.2	146	6						
Stomach	151	331	7.1	321	10						
Large intestines, except rectum	153	954	20.4	937	17						
Rectum	154	229	4.9	222	7						
Liver(primary), bile ducts, gallbladder	155,156	184	3.9	177	7						
Pancreas	157	448	9.6	434	14						
Respiratory except lung,trachea & bronchus	160,161,163	81	1.7	78	3						
Trachea, lung and bronchus	162	1,620	34.6	1,562	58						
Breast	174	744	15.9	731	13						
Cervix uteri,ovary & other fem. genital organs	180-184	442	9.4	429	13						
Prostate & other male genital organs	185-187	541	11.6	526	15						
Bladder	188	232	5.0	229	3						
Kidney and other urinary organs	189	190	4.1	188	2			1			
Brain	191	155	4.1	152	3			2	1	5	1
Leukemia and aleukemia	204-207	380	8.1	371	9			11		10	
Lymphosarcoma & hematopoietic tissue	200-203,208,209	513	11.0	501	12					3	1
All other malignant neoplasms		908	19.4	881	27	2		6		8	
Neoplasms, benign and unspecified	210-239	65	1.2	62	3	2	1			2	
Endocrine, Nutritional, & Metabolic Diseases	240-279	964	20.6	928	36	4	1	2		4	
Diabetes mellitus	250	739	15.8	714	25					1	
Avitaminoses, other nutritional deficiencies	260-269	75	1.6	69	6	3	1				
Other metabolic diseases		150	3.2	145	5	1		2		3	
Diseases of the Blood & Blood Forming Organs	280-289	124	2.6	119	5			1	1	1	
Anemias	280-285	77	1.6	74	3				1	1	
All other	286-289	47	1.0	45	2			1			
Mental Disorders	290-315	251	5.4	235	16						
Diseases of the Nervous System & Sense Organs	320-389	397	8.5	385	12	10	1	11	2	5	
Diseases of the Circulatory System	390-458	21,904	467.7	21,480	422	16	1	7	2	4	
Rheumatic fever	390-392	3		3							
Chronic rheumatic heart disease	393-398	314	6.7	304	10						
Hypertension w/o ment. of hrt.	400(exc.400.1),401,403	129	2.8	125	4			1			
Hypertension w/heart disease	400.1,402,404	246	5.3	239	7						
Acute ischemic heart disease	410	6,306	134.7	6,212	93						
Chronic ischemic heart disease	412	7,663	163.6	7,501	161						
Other ischemic heart disease	411,413	70	1.5	70							
Chronic dis.of endocardium,other myocard.insuf	424,428	107	2.3	106	1	2					
Cerebrovascular disease	430-438	3,738	79.8	3,663	75	4		3	1		
Arteriosclerosis	440	735	15.7	726	9						
Other diseases of arteries, arterioles	441-448	622	13.3	610	12			1			
Dis. of veins & lymphatics,& dis. of circ.sys.	450-458	347	7.4	335	12	1					
All other forms of heart disease		1,624	34.7	1,586	38	9	1	2	1	4	
Diseases of the Respiratory System	460-519	2,445	52.2	2,383	62	30	3	15		3	2
Influenza	470-474	158	3.4	158							
Pneumonia	480-486	1,078	23.0	1,045	33	15	1	7		2	1
Bronchitis, chronic and unqualified	490,491	81	1.7	77	4	2	1				
Emphysema and asthma	492,493	330	7.0	322	8						
Other		798	17.0	781	17	13	1	8		1	1
Diseases of the Digestive System	520-577	1,193	25.5	1,158	35	13	2	1			
Ulcer-stomach,duodenum;peptic & gastrojejunal	531-534	117	2.5	116	1	1					
Cirrhosis of liver	571	482	10.3	463	19	1					
w/alcoholism	571.0	211	4.5	200	11						
w/o mention of alcohol	571.8,.9	271	5.8	263	8	1					
Other		594	12.7	579	15	11	2	1			
Diseases of the Genitourinary System	580-629	431	9.2	411	20	3	1			2	
Nephritis and nephrosis	580-584	127	2.7	119	8	2				2	
Infection of kidney	590	49	1.0	48	1						
Hyperplasia of prostate	600	27	0.6	27							
Other		228	4.9	217	11	1	1				
Complications of Preg., Childbirth & Puerperium	630-678	8		7	1						
Abortions	640-645										
Other		8		7	1						
Diseases of the Skin & Subcutaneous Tissue	680-709	36	0.8	36		1					
Dis.-Musculoskeletal Sys. & Connective Tissue	710-738	123	2.6	119	4						
Congenital Anomalies	740-759	301	6.4	286	15	175	8	20	5	8	
Certain Causes of Perinatal Morb. & Mortality	760-779	340	7.3	309	30	308	30				
Birth injuries	764-768:.0-.3,772	25	0.5	23	1	23	1				
Anoxic and hypoxic conditions	764-768:.4,.9,776	152	3.2	138	14	138	14				
Other		163	3.5	148	15	147	15				
Ill-Defined Conditions	780-796	373	8.0	344	26	92	18				
Accidents, Poisonings, and Violence	E800-999	2,751	58.7	2,618	125	16	4	63	7	55	5
Motor vehicle	810-823	990	21.1	957	28	2	1	21	1	27	3
All other accidents	800-807,825-827,830-949	1,005	21.5	961	41	12		40	4	26	2
Suicide	950-959	582	12.4	570	12						
Homicide and legal intervention	960-978	128	2.7	92	36	2	2	1	1	2	
Operations of war & undeterm'd.violent deaths	980-999	46	1.0	38	8		1	1	1		

*Three white, not tabulated, included in total white column but not in age breakdown.
**Fourteen deaths, race not stated, are included in total column only.
Rate per 100,000 population for specific causes.
Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Table 33 (Cont.)

DEATHS BY MAJOR CAUSES; BY AGE, BY WHITE AND NONWHITE
Wisconsin, 1978
(Resident Data)

P. 2 of 4 pages

Cause of Death	ICDA	10-14		15-19		20-24		25-29		30-34		35-39	
		W	NW	W	NW	W	NW	W	NW	W	NW	W	NW
Total		130	8	435	16	466	27	332	31	325	40	323	44
Infective & Parasitic Diseases	000-136	1		2		1	1	3		2		5	
Tuberculosis - all forms	010-019												
Septicemia and other bacterial diseases	038,039	1				1		1		1		2	
All other infective & parasitic diseases				2			1	2		1		3	
Malignant Neoplasms	140-209	18		28		32	1	31	1	58	8	68	9
Buccal cavity and pharynx	140-149							2				1	1
Esophagus	150												
Stomach	151									3		1	
Large intestines, except rectum	153									4		5	1
Rectum	154										1		
Liver(primary), bile ducts, gallbladder	155,156			1		1				1			
Pancreas	157					2		1				2	
Respiratory except lung,trachea & bronchus	160,161,163											3	
Trachea, lung and bronchus	162							1		4	3	11	
Breast	174									10		9	2
Cervix uteri,ovary & other fem. genital organs	180-184			1				1		3	2	2	1
Prostate & other male genital organs	185-187			3		5		1				2	
Bladder	188												
Kidney and other urinary organs	189					1		2				1	
Brain	191	1		3		3		7		7		3	
Leukemia and aleukemia	204-207	12		5		7		2		7		5	1
Lymphosarcoma & hematopoietic tissue	200-203,208,209	1		6		10	1	8		9		5	1
All other malignant neoplasms		4		9		3		6	1	10	2	18	2
Neoplasms, benign and unspecified	210-239			1		1			1	1			
Endocrine, Nutritional, & Metabolic Diseases	240-279	6		4	1	2	1	5		14	1	10	1
Diabetes mellitus	250					1		2		12		6	1
Avitaminoses, other nutritional deficiencies	260-269										1		
Other metabolic diseases		6		4	1	1	1	3		2		4	
Diseases of the Blood & Blood Forming Organs	280-289	2		1		2	1	2	1	1		1	
Anemias	280-285	1		1		1		1	1	1		1	
All other	286-289	1				1	1	1					
Mental Disorders	290-315			1	1	1		2	1	1	1	2	3
Diseases of the Nervous System & Sense Organs	320-389	7		9		15	1	6		10	2	9	
Diseases of the Circulatory System	390-458	5		14	1	27	1	25	5	40	8	82	13
Rheumatic fever	390-392												
Chronic rheumatic heart disease	393-398							1		2	2	2	
Hypertension w/o ment. of hrt.	400(exc.400.1),401,403												
Hypertension w/heart disease	400.1,402,404					1						2	
Acute ischemic heart disease	410	1		2		3		5		16	2	31	6
Chronic ischemic heart disease	412							1	2	1	1	17	2
Other ischemic heart disease	411,413							1					
Chronic dis.of endocardium,other myocard.insuf	424,428							2					1
Cerebrovascular disease	430-438	2		4	1	7	1	8	1	8	2	15	2
Arteriosclerosis	440												
Other diseases of arteries, arterioles	441-448	1				2		2	1	2		2	
Dis. of veins & lymphatics,& dis. of circ.sys.	450-458			3		2		1		2		1	1
All other forms of heart disease		1		5		12		4	1	9	1	12	1
Diseases of the Respiratory System	460-519	5	3	7	2	4		6	2	9	2	6	1
Influenza	470-474												
Pneumonia	480-486	2	1	3	1	3		3	2	4	1	5	
Bronchitis, chronic and unqualified	490,491												
Emphysema and asthma	492,493	1	1	2	1			1		2			
Other		2	1	2		1		2		3	1	1	1
Diseases of the Digestive System	520-577	1		1		4		6	2	11	2	19	2
Ulcer-stomach,duodenum;peptic & gastrojejunal	531-534												
Cirrhosis of liver	571					1			2	8	2	13	
w/alcoholism	571.0								1	4	2	6	
w/o mention of alcohol	571.8,.9					1			1	4		7	
Other		1		1		3		6		3		6	2
Diseases of the Genitourinary System	580-629	1						1	1	3		5	
Nephritis and nephrosis	580-584	1						1				1	
Infection of kidney	590									1		1	
Hyperplasia of prostate	600												
Other									1	2		3	
Complications of Preg., Childbirth & Puerperium	630-678			1		2	1	3		1			
Abortions	640-645												
Other				1		2	1	3		1			
Diseases of the Skin & Subcutaneous Tissue	680-709					1				2			
Dis.-Musculoskeletal Sys. & Connective Tissue	710-738			1	1			1		2		3	
Congenital Anomalies	740-759	9		7	1	5		2	1	5		3	
Certain Causes of Perinatal Morb. & Mortality	760-779												
Birth injuries	764-768:.0-.3,772												
Anoxic and hypoxic conditions	764-768:.4,.9,776												
Other													
Ill-Defined Conditions	780-796			4		4			1		1	2	
Accidents, Poisonings, and Violence	E800-999	75	5	354	9	365	20	239	15	165	15	108	15
Motor vehicle	810-823	22		208	5	190	3	105	2	58	2	35	6
All other accidents	800-807,825-827,830-949	41	4	77	2	72	7	61	3	48	5	27	
Suicide	950-959	8		58		78	2	49	3	50	1	37	3
Homicide and legal intervention	960-978	2	1	10	2	20	7	15	6	7	6	4	5
Operations of war & undeterm'd.violent deaths	980-999	2		1		5	1	9	1	2	1	5	1

Table 33 (Cont.)

DEATHS BY MAJOR CAUSES; BY AGE, BY WHITE AND NONWHITE
Wisconsin, 1978

P. 3 of 4 pages

(Resident Data)

		40-44		45-49		50-54		55-59		60-64		65-69	
Cause of Death	ICDA	W	NW	W	NW	W	NW	W	NW	W	NW	W	NW
Total		428	39	839	60	1361	78	2022	89	3096	103	4054	100
Infective & Parasitic Diseases	000-136	6	1	7	2	7	2	16	1	22		31	1
Tuberculosis - all forms	010-019			1		1	1	2		5		8	
Septicemia and other bacterial diseases	038,039	3	1	2	2	2		8	1	11		10	1
All other infective & parasitic diseases		3		4		4	1	6		6		13	
Malignant Neoplasms	140-209	122	9	244	17	486	29	678	29	994	30	1162	29
Buccal cavity and pharynx	140-149	4	2	4		14	1	21	2	29		30	
Esophagus	150	1		5	2	12	2	14		21	1	29	1
Stomach	151	2		8		21		20	1	29	1	32	3
Large intestines, except rectum	153	12	1	17		41	3	67	2	99	1	131	3
Rectum	154	2	1	4		9	1	9	1	21	2	25	1
Liver(primary), bile ducts, gallbladder	155,156	1	1	5	1	4	1	16		14		43	1
Pancreas	157	4		11	2	14	1	38	3	60	3	61	1
Respiratory except lung,trachea & bronchus	160,161,163	1		4		8		13		11		11	1
Trachea, lung and bronchus	162	21	1	54	3	131	10	191	10	271	10	263	7
Breast	174	25		32	3	66	3	85	1	106	2	96	1
Cervix uteri,ovary & other fem. genital organs	180-184	7		23		39	2	40	2	50	1	59	2
Prostate & other male genital organs	185-187			2	1	3		7	3	31	3	56	2
Bladder	188	2		2		4	1	6		16		31	
Kidney and other urinary organs	189	3		6		10		14		32		33	1
Brain	191	4		5		14		16		19		20	1
Leukemia and aleukemia	204-207	8	1	15	1	21		17	1	24	1	48	1
Lymphosarcoma & hematopoietic tissue	200-203,208,209	8		21	3	23	1	34	1	54	1	72	1
All other malignant neoplasms		17	2	26	1	52	3	70	2	107	4	122	2
Neoplasms, benign and unspecified	210-239	1		1		3		4		9		4	
Endocrine, Nutritional, & Metabolic Diseases	240-279	9	4	17	1	38	3	43	2	72	7	105	6
Diabetes mellitus	250	4	3	12		28	2	34	2	59	6	82	5
Avitaminoses, other nutritional deficiencies	260-269					1	1			4	1	4	
Other metabolic diseases	270-279	5	1	5	1	9		9		9		19	1
Diseases of the Blood & Blood Forming Organs	280-289	2		2		2	1	4		10		10	1
Anemias	280-285	1		1		1	1	2		6		6	
All other	286-289	1		1		1		2		4		4	1
Mental Disorders	290-315	7		18		19	1	16	3	26	3	18	
Diseases of the Nervous System & Sense Organs	320-389	6		17	2	12	2	22	1	36		38	
Diseases of the Circulatory System	390-458	134	16	318	24	539	24	880	33	1450	47	2096	51
Rheumatic fever	390-392			1						1			
Chronic rheumatic heart disease	393-398	4		11	2	16		18	3	40	1	51	
Hypertension w/o ment. of hrt.	400(exc.400.1),401,403	1				1	1	3		6	1	8	
Hypertension w/heart disease	400.1,402,404	4	1	3		7		13	1	15	2	24	1
Acute ischemic heart disease	410	50	6	159	8	243	3	396	11	618	9	811	13
Chronic ischemic heart disease	412	22	6	56	3	115	16	205	13	362	13	576	23
Other ischemic heart disease	411,413	2		2		3		8		4		6	
Chronic dis.of endocardium,other myocard.insuf	424,428	1						5		2		4	
Cerebrovascular disease	430-438	18	2	34	3	65		75	3	170	10	275	7
Arteriosclerosis	440			1		1		3		18	1	32	1
Other diseases of arteries, arterioles	441-448	5	1	8		14		23		40		75	1
Dis. of veins & lymphatics,& dis. of circ.sys.	450-458	5		10	3	9	1	18		27	4	35	
All other forms of heart disease		22		33	5	65	3	113	2	147	6	199	5
Diseases of the Respiratory System	460-519	13	3	18		48	5	84	10	162	7	278	5
Influenza	470-474	1		1				2		4		9	
Pneumonia	480-486	7	3	5		17	2	27	3	45	4	74	1
Bronchitis, chronic and unqualified	490,491					2	1	3		10	1	8	
Emphysema and asthma	492,493	2		4		13	1	14	3	42		57	1
Other		3		8		16	1	38	4	61	2	130	3
Diseases of the Digestive System	520-577	23	1	67	8	69	3	112	6	134	3	128	1
Ulcer-stomach,duodenum;peptic & gastrojejunal	531-534	2		4	1	1		3		10		7	
Cirrhosis of liver	571	18	1	44	5	46	2	79	3	84	2	69	
w/alcoholism	571.0	11	1	26	1	25	1	36	2	40	2	24	
w/o mention of alcohol	571.8,.9	7		18	4	21	1	43	1	44		45	
Other		3		19	2	22	1	30	3	40	1	52	1
Diseases of the Genitourinary System	580-629	3	1	3		7		12	1	22	1	34	3
Nephritis and nephrosis	580-584	2		1		1		7	1	8	1	10	1
Infection of kidney	590			1				1		2		4	
Hyperplasia of prostate	600												
Other		1	1	1		6		4		12		20	2
Complications of Preg., Childbirth & Puerperium	630-678												
Abortions	640-645												
Other													
Diseases of the Skin & Subcutaneous Tissue	680-709					1				6		3	
Dis.-Musculoskeletal Sys. & Connective Tissue	710-738	2	1	4		5		5		12	1	18	
Congenital Anomalies	740-759	1		6		7		8		6		4	
Certain Causes of Perinatal Morb. & Mortality	760-779												
Birth injuries	764-768:.0-.3,772												
Anoxic and hypoxic conditions	764-768:.4,.9,776												
Other													
Ill-Defined Conditions	780-796	2		3	1	4		11		18	1	14	
Accidents, Poisonings, and Violence	E800-999	97	3	114	5	114	8	127	3	117	3	111	3
Motor vehicle	810-823	27		31	2	29	2	36		30		25	1
All other accidents	800-807,825-827,830-949	32	1	46		33	4	44	1	44	3	50	1
Suicide	950-959	31		30	1	40	1	43		39		33	1
Homicide and legal intervention	960-978	4	1	5	1	10	1	3	2	4		3	
Operations of war & undeterm'd.violent deaths	980-999	3	1	2	1	2		1					

Table 33 (Cont.)

DEATHS BY MAJOR CAUSES; BY AGE, BY WHITE AND NONWHITE
Wisconsin, 1978

P. 4 of 4 pages

(Resident Data)

Cause of Death	ICDA	70-74		75-79		80-84		85+		Unk.	
		W	NW	W	NW	W	NW	W	NW	W	NW
Total		5,035	99	5,545	77	5,828	71	8,050	70	-	-
Infective & Parasitic Diseases	000-136	33	2	37		33		52			
Tuberculosis - all forms	010-019	6		4		6		3			
Septicemia and other bacterial diseases	038,039	18	2	20		21		37			
All other infective & parasitic diseases		9		13		6		12			
Malignant Neoplasms	140-209	1,264	19	1,119	18	923	13	781	12		
Buccal cavity and pharynx	140-149	21	1	24		6	1	15			
Esophagus	150	26		12		13		13			
Stomach	151	48	3	42	1	65		50	1		
Large intestines, except rectum	153	181		132	1	135	2	113	3		
Rectum	154	39		37		31		45			
Liver(primary), bile ducts, gallbladder	155,156	31	1	24	1	16		20	1		
Pancreas	157	73	1	65	3	55		48			
Respiratory except lung,trachea & bronchus	160,161,163	9	1	8	1	6		4			
Trachea, lung and bronchus	162	242	6	201	5	103	1	69	2		
Breast	174	97		88		63	1	54			
Cervix uteri,ovary & other fem. genital organs	180-184	68	1	48	1	59		29	1		
Prostate & other male genital organs	185-187	93	1	116	1	111	2	96	2		
Bladder	188	44		39	1	43	1	42			
Kidney and other urinary organs	189	23		33		21	1	8			
Brain	191	19		11		9		4			
Leukemia and aleukemia	204-207	43	1	53		37	2	46			
Lymphosarcoma & hematopoietic tissue	200-203,208,209	81	1	71		59	1	36			
All other malignant neoplasms		126	2	115	3	91	1	89	2		
Neoplasms, benign and unspecified	210-239	5		11	1	9		8			
Endocrine, Nutritional, & Metabolic Diseases	240-279	123	2	155	1	156	4	159	1		
Diabetes mellitus	250	100	1	130	1	128	4	115			
Avitaminoses, other nutritional deficiencies	260-269	6	1	6		12		33	1		
Other metabolic diseases		17		19		16		11			
Diseases of the Blood & Blood Forming Organs	280-289	8		14		17		39			
Anemias	280-285	2		6		10		32			
All other	286-289	6		8		7		7			
Mental Disorders	290-315	17		30	1	31		46	2		
Diseases of the Nervous System & Sense Organs	320-389	59		46		39		28	1		
Diseases of the Circulatory System	390-458	2,863	59	3,361	48	3,855	47	5,763	42		
Rheumatic fever	390-392					1					
Chronic rheumatic heart disease	393-398	50		39	1	31		39	1		
Hypertension w/o ment. of hrt.	400(exc.400.1),401,403	22		23	1	28		32	1		
Hypertension w/heart disease	400.1,402,404	30		46	1	34		60	1		
Acute ischemic heart disease	410	993	15	1,084	5	926	10	874	5		
Chronic ischemic heart disease	412	882	24	1,114	24	1,460	15	2,689	19		
Other ischemic heart disease	411,413	8		10		9		17			
Chronic dis.of endocardium,other myocard.insuf	424,428	13		22		17		38			
Cerebrovascular disease	430-438	447	13	597	10	765	12	1,166	7		
Arteriosclerosis	440	46		80		171	3	374	4		
Other diseases of arteries, arterioles	441-448	105	2	89	3	114	4	127			
Dis. of veins & lymphatics,& dis. of circ.sys.	450-458	47	1	47		68		59	2		
All other forms of heart disease		220	4	210	3	231	3	288	2		
Diseases of the Respiratory System	460-519	327	7	353	3	394	3	621	4		
Influenza	470-474	9		20		32		80			
Pneumonia	480-486	96	6	124	2	217	2	389	3		
Bronchitis, chronic and unqualified	490,491	17	1	11		12		12			
Emphysema and asthma	492,493	53		55		40		36	1		
Other		152		143	1	93	1	104			
Diseases of the Digestive System	520-577	126	2	143	1	133	2	167			
Ulcer-stomach,duodenum;peptic & gastrojejunal	531-534	21		23		18		26			
Cirrhosis of liver	571	44	1	35	1	14		7			
w/alcoholism	571.0	22		6	1						
w/o mention of alcohol	571.8,.9	22	1	29		14		7			
Other		61	1	85		101	2	134			
Diseases of the Genitourinary System	580-629	48	5	65	3	79	1	122	3		
Nephritis and nephrosis	580-584	18	1	21	2	20	1	23	1		
Infection of kidney	590	3	1	10		9		16			
Hyperplasia of prostate	600	2		8		7		10			
Other		25	3	26	1	43		73	2		
Complications of Preg., Childbirth & Puerperium	630-678										
Abortions	640-645										
Other											
Diseases of the Skin & Subcutaneous Tissue	680-709	3		6		6		7			
Dis.-Musculoskeletal Sys. & Connective Tissue	710-738	13		23		11		19	1		
Congenital Anomalies	740-759	8		5		4		3			
Certain Causes of Perinatal Morb. & Mortality	760-779										
Birth injuries	764-768:.0-.3,772										
Anoxic and hypoxic conditions	764-768:.4,.9,776										
Other											
Ill-Defined Conditions	780-796	28	2	50		28		84	2		
Accidents, Poisonings, and Violence	E800-999	110	1	127	1	110	1	151	2		
Motor vehicle	810-823	34		42		25		10			
All other accidents	800-807,825-827,830-949	44		58	1	75	1	131	2		
Suicide	950-959	30		25		10		9			
Homicide and legal intervention	960-978		1								
Operations of war & undeterm'd.violent deaths	980-999	2		2				1			

Figure 7

ACCIDENTAL DEATHS
PERCENT DISTRIBUTION BY AGE GROUP AND SEX
Wisconsin, 1978

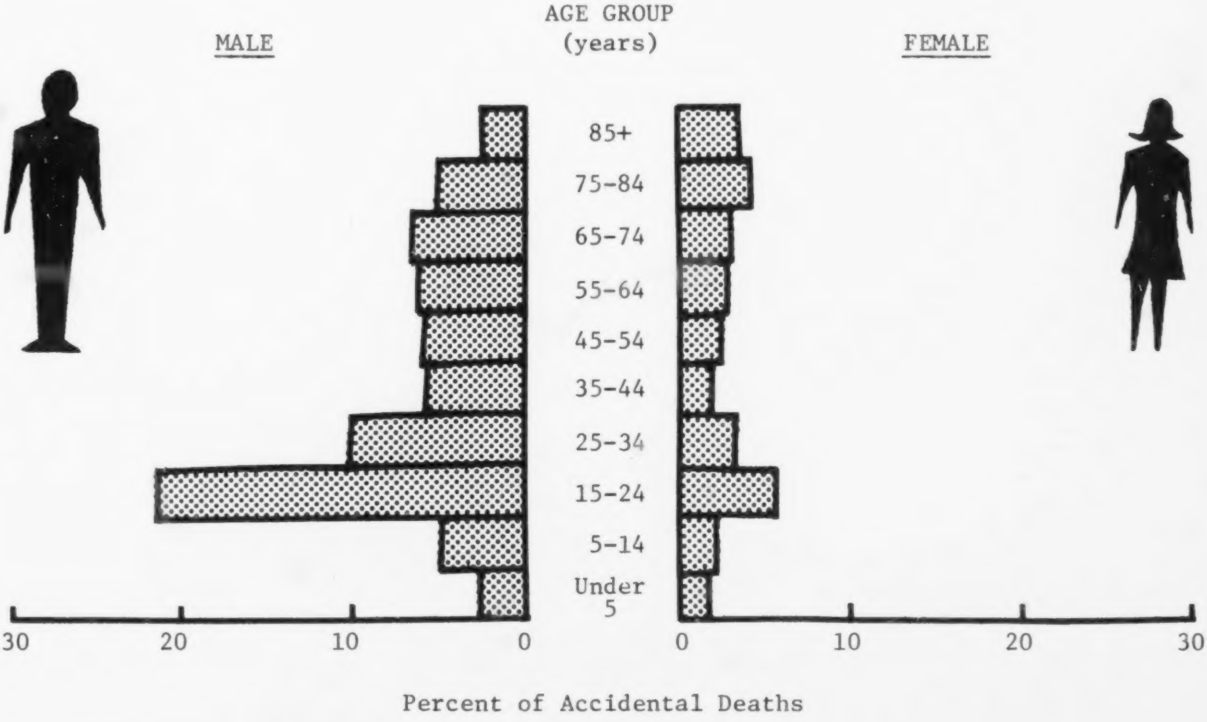

Table 34
ACCIDENTAL DEATHS BY CAUSE; AGE AND SEX
Wisconsin, 1978
(Occurrence Data)

P. 1 of 4 pages

Cause of Accidental Death	ICDA	Total All Ages		Age Groups									
				Under 1		1-4		5-14		15-19		20-24	
		Male	Female	M	F	M	F	M	F	M	F	M	F
Total		1379	621	8	8	44	21	93	36	222	80	222	53
I. Railroad Accidents	800-807	5	1	1				1		2			
Involv'g. collision w/rolling stock	800	1		1									
Collision with other object	801		1										
Hit by rolling stock	805	4						1		2			
II. Motor Vehicle Traffic	810-819	682	283	1	1	10	6	33	20	154	66	155	39
Collision with train	810	18	10			1	2	2		5	4	3	3
W/another motor vehicle	812	275	164	1		3	2	4	5	66	32	62	29
With other vehicle	813	17	6					8	5	2		2	
To pedestrian	814	78	38			4		13	8	6	6	8	1
Collision w/non-motor vehicle	815	131	35		1	1		3	2	40	13	33	5
Noncollision due to loss of control	816	149	25				1	3		32	10	44	1
Other noncollision	818	8	4			1	1			2	1	2	
Unspecified	819	6	1							1		1	
III. Motor Vehicle Non Traffic	820-823	11	5		1	3	2					1	1
Collision with moving object	820	7	4		1	2	2						
Collision with stationary object	821	1										1	
Unspecified	823	3	1			1							1
IV. Other Road Vehicle Accidents	825-827	2						2					
Other nonmotor	827	2						2					
V. Water Transport Accident	830-838	39	4					1		6	1	6	1
Watercraft submersion	830	20	1							4	1	3	
Watercraft causing other injury	831	2	1										
Accidental submersion or drowning	832	16	1					1		2		3	
Other and unspecified	838	1	1										1
VI. Aircraft Accidents	840-845	18								2		2	
Powered aircraft at take-off or landing	840	1											
Powered aircraft, other, unspecified	841	16								2		2	
Unpowered aircraft	842	1											
VII. Accidental Poisoning/Drugs & Medicaments	850-859	11	14						1	2	2	1	1
Systemic and hematologic agents	852	1											
Analgesics and antipyretics	853	3	3						1				
Other sedatives, hypnotics	854	2	1							1			
Autonomic nervous system and psychotherapeutic drugs	855	2	2							1	1		
Other central nervous system depressants and stimulants	856		1										
Cardiovascular drugs	857	1	2										
Other & unspecified drugs & medicaments	859	2	5								1	1	1
VIII. Poisoning:Other Solid/Liquid Substances	860-869	9	3			1		1			1	1	
Alcohol	860	2											
Paints and varnishes	863	1											
Petroleum products & other solvents	864	1										1	
Pesticides, fertilizers or plant foods	865	1											
Noxious foodstuffs and poisonous plants	863	1				1							
Other/unspec. solid & liquid substances	869	3	3					1			1		
IX. Accidental Poisoning by Gases, Vapors	870-877	51	20							7	7	6	
Gas distributed by pipeline	870	4	2										
Motor vehicle exhaust gas	873	31	15							4	6	5	
Carbon monoxide from incomplete combustion domestic fuels	874	3	1							2			
Other carbon monoxide	875	3	2							1	1		
Other gases and vapors	876	8										1	
Unspecified gases and vapors	877	2											

When a cause is not listed it means that no deaths were reported for this year.

Table 34 (Cont.)

ACCIDENTAL DEATHS BY CAUSE; AGE AND SEX
Wisconsin, 1978

P. 2 of 4 pages (Occurrence Data)

		Total All Ages		Age Groups									
				Under 1		1-4		5-14		15-19		20-24	
Cause of Accidental Death	ICDA	Male	Female	M	F	M	F	M	F	M	F	M	F
X. Accidental Falls	880-887	142	155			1	1	2		5	1	9	1
Stairs or steps	880	17	24										
Ladders or scaffolding	881	10	1									2	
From or out of bldg. or other structure	882	15						1		3		3	
Into hole or other opening in surface	883	2										1	
One level to another	884	14	15			1	1	1		1		1	1
Same level slipping/stumbling/tripping	885	12	16										
Same level from collision, pushing or shoving by or with other person	886	1	1							1			
Other and unspecified	887	71	98								1	2	
XI. Fires and Flames	890-899	72	48	2	1	12	8	5	5	2	1	4	8
Conflagration in private dwelling	890	59	42	2	1	12	8	5	5	2	1	3	8
Conflagration in other bldg./structure	891	4											
Conflagration not in bldg./structure	892	3										1	
Ignition of clothing	893	1	6										
Ignition inflammable material	894	1											
Other specified fires or flames	898	4											
XII. Natural and Environmental Factors	900-909	18	17		2			1	1			2	
Excessive heat	900	2	4		2							1	
Excessive cold	901	8	10					1	1				
High and low air pressure	902	1											
Hunger, thirst, exposure, neglect	904	2	3									1	
Bites/stings of venomous animals/insects	905	1											
Other animals	906	2											
Lightening	907	2											
XIII. Other	910-929	294	58	4	3	17	4	46	8	42	1	34	
Drowning or submersion	910	94	20			9	1	22	5	14	1	13	
Inflation and ingestion of food causing obstruction or suffocation	911	14	16	2	2		2	1		1		1	
Inflation and ingestion, other	912	6						1		2		1	
Mechanical suffocation	913	24	3	1	1	4	1	7	1	2		2	
Foreign body accid. entering eye/adnexa	915		1										
Struck by falling object	916	27	2			1		2		2		2	
Striking against or struck by object	917	26	1			1		5		4		2	
Caught in or between objects	918	13				1				2		1	
Overexertion and strenous movements	919	2	3										
Accident by cutting/piercing instruments	920	1	1										
Explosion of pressure vessel	921	3	1							1			
Firearm missiles	922	24	2					4	1	6		4	
Explosive material	923	4										1	
Hot substance, corrosive liquid, & steam	924	2	2	1									
Electric current	925	26	1			1		1		4		4	
Vehicle not elsewhere	927	2								2			
Machinery, not elsewhere	928	17	2					3		1		2	
Other and unspecified accidents	929	9	3						1	1		1	
XIV. Surgical/Medical Compli./Misdaventures	930-936	9	6										1
Operative therapeutic procedures	930	6	1										
Other and unspecified	931	1											
Diagnostic procedures	932	2	3										
Other nontherapeutic procedures	936		2										1
XV. Late Effects of Accidental Injury	940-949	16	7					1	1			1	1
Motor vehicle accident	940	2	1					1					1
Accidental fall	943	1	5						1				
Natural and environmental factors	945	1											
Other accident	946	10	1									1	
Surgical operation	947	1											
Other surgical/medical procedures	949	1											

Table 34 (Cont.)

ACCIDENTAL DEATHS BY CAUSE; AGE AND SEX
Wisconsin, 1978

P. 3 of 4 pages

(Occurrence Data)

Cause of Accidental Death	ICDA	25-34 M	25-34 F	35-44 M	35-44 F	45-54 M	45-54 F	55-64 M	55-64 F	65-74 M	65-74 F	75-84 M	75-84 F	85+ M	85+ F
Total		224	54	101	31	108	38	112	58	90	61	95	97	60	84
I. Railroad Accidents	800-807		1			1									
Involv'g. collision w/rolling stock	800														
' Collision with other object	801		1												
Hit by rolling stock	805					1									
II. Motor Vehicle Traffic	810-819	133	35	49	17	42	16	42	27	31	24	29	26	3	6
Collision with train	810	2		1		3		1	1						
W/another motor vehicle	812	49	23	19	12	13	12	22	16	16	19	19	12	1	2
With other vehicle	813	1	1	1		1		2							
To pedestrian	814	13	2	6	1	6	1	5	4	8	3	7	10	2	2
Collision w/non-motor vehicle	815	29	3	11	2	7	2	5	2	2	1		3		1
Noncollision due to loss of control	816	37	4	11	2	12		6	4	3	1	1	1		1
Other noncollision	818	2	1				1					1			
Unspecified	819		1					1		2		1			
III. Motor Vehicle Non Traffic	820-823	1		1				1		1	1	2		1	
Collision w/moving object	820			1				1		1	1	1		1	
Unspecified	823	1										1			
IV. Other Road Vehicle Accidents	825-827														
V. Water Transport Accident	830-838	10		4		4		1	2	4		3			
Watercraft submersion	830	4		1		1		1		4		2			
Watercraft causing other injury	831	1				1			1						
Accidental submersion or drowning	832	5		3		1			1			1			
Other and unspecified	838					1									
VI, Aircraft Accidents	840-845	3		1		6		4							
Powered aircraft:take-off landing	840							1							
Powered aircraft, other, unspecified	841	2		1		6		3							
Unpowered aircraft	842	1													
VII. Accidental Poisoning by Drugs and Medicaments	850-859	3	2		2	1	1	1			3	2	2	1	
Systemic and hematologic agents	852							1							
Analgesics and antipyretics	853	1			1						1	1		1	
Other sedatives, hypnotics	854					1	1								
Autonomic nervous system and psychotherapeutic drugs	855	1	1												
Other central nervous system depressants and stimulants	856												1		
Cardiovascular drugs	857										1	1	1		
Other & unspec. drugs & medicaments	859	1	1		1						1				
VIII. Poisoning by Other Solid and Liquid Substances	860-869	1	1	1		2	1			1		1			
Alcohol	860					2									
Paints and varnishes	863											1			
Pesticides, fertilizers/plant foods	865									1					
Other and unspecified	869	1	1	1			1								
IX. Poisoning by Gases, Vapors	870-877	10	3	5	3	8	4	9	2	4	1	1		1	
Gas distributed by pipeline	870					2	2	1		1					
Motor vehicle exhaust gas	873	5	3	3	2	5	2	5	1	2	1	1		1	
Carbon monoxide from incomplete combustion domestic fuels	874							1	1						
Other carbon monoxide	875	1			1					1					
Other gases and vapors	876	4		1				2							
Unspecified gases and vapors	877			1		1									

Table 34 (Cont.)

ACCIDENTAL DEATHS BY CAUSE; AGE AND SEX
Wisconsin, 1978

P. 4 of 4 pages

(Occurrence Data)

Cause of Accidental Death	ICDA	Age Groups													
		25-34		35-44		45-54		55-64		65-74		75-84		85+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
X. Accidental Falls	880-887	1	2	7		9	4	20	11	16	19	28	53	44	63
Stairs or steps	880	1		2			1	4	5	1	4	6	10	3	4
Ladders or scaffolding	881			1		1		3		2	1	1			
From or out of building or other structure	882			1		1		4		1		1			
Into hole/other opening in surface	883													1	
One level to another	884			3		1				1	1	1	3	4	9
Same level from slipping, stumbling or tripping	885		1					2		1	3	4	5	5	7
Same level from collision, pushing or shoving by or w/other person	886												1		
Other and unspecified	887		1			6	3	7	6	10	10	15	34	31	43
XI. Fires and Flames	890-899	14	2	3	3	8	3	6	1	7	4	6	7	3	5
Conflagration in private dwelling	890	10	2	3	3	6	3	6	1	3	3	6	6	1	1
Conflagration in other bldg./structure	891	1				1				2					
Conflagration not in bldg./structure	892	1												1	
Ignition of clothing	893										1		1	1	4
Ignition inflammable material	894	1													
Other specified fires or flames	898	1				1				2					
XII. Natural and Environmental Factors	900-909	3	1		1	2	2	5	4	2	2	1	2	2	2
Excessive heat	900							1			1		1		
Excessive cold	901		1		1	1	2	2	3	1	1	1		2	1
High and low air pressure	902	1													
Hunger, thirst, exposure, neglect	904								1	1			1		1
Bites/stings of venomous animals/insects	905							1							
Other animals	906					1		1							
Lightening	907	2													
XIII. Other	910-929	44	6	29	5	23	6	20	10	18	4	15	6	2	5
Drowning or submersion	910	16	1	6	3	4	2	5	3	4	1	1	3		
Inflation and ingestion of food causing obstruction/suffocation	911	2	1			2	3		3	3	1	2	1		3
Inflation and ingestion, other	912			1								1			
Mechanical suffocation	913	3		2		1		1		1					
Foreign body accidentally entering eye/adnexa	915														1
Struck by falling object	916	4	2	4		4		3		2		2		1	
Striking against or struck by object	917	1		2		2		3	1	4		2			
Caught in or between objects	918	5				1		2				1			
Overexertion & strenous movements	919	1					1					1	1		1
Accident causes by cutting or piercing instruments	920		1	1											
Explosion of pressure vessel	921			1					1	1					
Firearm missiles	922	3		4		1			1	2					
Explosive material	923	1				1		1							
Hot substance/corrosive liquid/steam	924										2	1			
Electric current	925	6		4		4		1	1			1			
Machinery, not elsewhere	928	1		3	2	2		4		1					
Other and unspecified accidents	929	1	1	1		1						3	1	1	
XIV. Surgical and Medical Comolications and Misadventures	930-936		1			1		1	1	3	3	3		1	
Operative therapeutic procedures	930					1		1		1	1	2		1	
Other and unspecified	931									1					
Diagnostic procedure	932								1	1	2	1			
Other nontherapeutic procedures	936		1												
XV. Late Effects of Accidental Injury	940-949	1		1		1	1	2		3		4	1	2	3
Motor vehicle accident	940					1									
Accidental fall	943											1	1		3
Natural and environmental factors	945									1					
Other accident	946	1		1			1	1		2		3		1	
Surgical operation	947													1	
Other surgical/medical procedures	949							1							

Table 34a

ACCIDENTAL DEATHS BY AGE AND TYPE OF ACCIDENT
(CLASSIFIED ACCORDING TO NATIONAL SAFETY COUNCIL DEFINITIONS)
Wisconsin, 1978

(Occurrence Data)

	TYPE OF ACCIDENT	Total	0-4	5-14	15-24	25-44	45-64	65+
	Total	2,010	83	130	576	411	322	488
WORK (except public trans.)	Work Total	95		2	18	38	30	7
	Agriculture	26		2	3	8	8	5
	Mining, Quarrying, Oil and Gas Wells	3			1		2	
	Construction	13			5	6	2	
	Manufacturing	19			4	6	8	1
	Transportation and Public Utilities	3				3		
	Trade	1				1		
	Service	15			3	5	6	1
	Government	4			1	2	1	
	Other and Unspecified Industry	11			1	7	3	
HOME	Home Total	430	47	28	39	55	79	182
	Poisonings (gas excepted)	21		2	4	8	4	3
	Poisonings by Gases and Vapors	42			9	13	14	6
	Falls	153	2	1	1	4	26	119
	Fires	112	24	9	14	19	17	29
	Drowning	11	5	2		1	3	
	Suffocation, Ingested Food or Object	14	6	1	1		3	3
	Suffocation, Mechanical	19	7	5	3	2	1	1
	Firearms	12		4	4	1	1	2
	Other and Unspecified Home Accidents	46	3	4	3	7	10	19
MOTOR VEHICLE	Motor-Vehicle Total	995	24	55	420	238	130	128
	Injury to Pederstrian	125	7	20	21	27	18	32
	Injury to Pedal Cyclist	23		13	4	3	3	
	Injury to Rider of Animal or Occupant of Animal-Drawn Vehicle	-						
	Collision with Railroad Train	29	3	2	15	4	5	
	Collision with Other Motor Vehicle	444	6	10	192	101	64	71
	Collision with Fixed Object	168	2	6	92	45	15	8
	Noncollision	186	3	3	93	56	23	8
	Other and Unspecified Accidents	20	3	1	3	2	2	9
PUBLIC	Public Non-Motor Vehicle Total	417	12	43	91	73	72	126
	Railroad--Not with Motor Vehicle	6		1	2	1	1	1
	Other Vehicle--Not with Motor Vehicle	3		2			1	
	Water Transport	44		1	14	15	7	7
	Air Transport	18			4	4	10	
	Falls	117		1	12	3	11	90
	Fires	5			1	1	1	2
	Drowning	99	6	25	26	22	11	9
	Firearms	14		2	5	6	1	
	Other and Unspecified Public Accidents	111	6	11	27	21	29	17
	Accident Type Unknown and Late Effects	73		2	8	7	11	45

Table 35

DEATHS FROM ACCIDENTS, POISONINGS AND VIOLENCE, BY CAUSE, BY COUNTY
Wisconsin, 1978

P. 1 of 2 pages (Occurrence Data)

County	Total	Accidental Causes of Death													Suicide	Homicide	Other Violent Deaths
		Total Accidents	Home	Motor Vehicle	Water Transport	Other Transport	Poison	Falls	Machinery	Fire & Flames	Firearms	Suffocation	Drowning	All Other Accidents			
ICDA		800-949	*	810-823	830-838	800-07 825-27 840-45	850-877	880-887	928	890-899	922	911, 912	910	**	950-959	960-969	970-999
State Total	2744	2000	436	981	43	26	108	297	19	120	26	36	114	230	579	121	44
Adams	9	6		5								1			2	1	
Ashland	10	8		5		1					1			1	2		
Barron	29	22	2	15			1	3	1				1	1	6	1	
Bayfield	14	12	2	9	1		1			1					2		
Brown	103	74	17	39		1	7	10		5			5	7	27	1	1
Buffalo	12	10	1	5		1		1				1	1	1	1	1	
Burnett	11	9	4	2	1		1	1		1		2		1	2		
Calumet	17	10	1	7				1			1			1	5	2	
Chippewa	39	36	5	18	1	4		1		3	2		5	2	2	1	
Clark	18	14	3	6			3	3	1	1					3	1	
Columbia	24	15	2	6	2	3	1	1		1				1	8	1	
Crawford	17	13	8	1	2		2			5		1	1	1	3	1	
Dane	198	153	35	71	1		11	20	1	7	4	2	9	27	40	3	2
Dodge	55	43	10	21			1	10		1	1		6	3	11		1
Door	15	13	3	6			1	2					1	3	1	1	
Douglas	28	18	5	13			1	1		2				1	7	1	2
Dunn	23	18	3	10	1			3						4	4	1	
Eau Claire	45	40	7	25				2		3	1	2	1	6	4	1	
Florence	5	4	1	2						1			1			1	
Fond du Lac	36	30	7	13	1		2	6	1	2			4	1	6		
Forest	7	5	1	1		2	1		1						1	1	
Grant	22	20	3	11			2	3					1	3	2		
Green	16	14	5	2			1	6	3	1				1	2		
Green Lake	15	13	4	5			1	2	1	2			1	1	1	1	
Iowa	19	18	6	8			2	1	2	2		1		2	1		
Iron	9	7		5	1									1	2		
Jackson	15	13	1	5	2			1			1		2	2	2		
Jefferson	32	23	4	8	1		1	3	1			2	4	3	8	1	
Juneau	11	10	4	3				3		1	1		1	1	1		
Kenosha	72	49	7	36				9						4	14	4	5
Kewaunee	13	12		11									1		1		
La Crosse	63	52	7	25		1		13		4	1		2	6	11		
Lafayette	4	4	1	3						1							
Langlade	14	13	2	7							1		1	4	1		
Lincoln	14	11	3	7				2		1			1		3		
Manitowoc	39	30	5	21				4		1			2	2	7	1	1
Marathon	60	48	9	26	1	1	1	7		3	1		3	5	11	1	
Marinette	34	25	4	11			1	5		1	1			6	9		
Marquette	12	10	2	6	1		2				1				1	1	
Menominee	7	3		3											2	1	1

Table 35 (Cont.)

DEATHS FROM ACCIDENTS, POISONINGS AND VIOLENCE, BY CAUSE, BY COUNTY
Wisconsin, 1978

P. 2 of 2 pages (Occurrence Data)

County	Total	Accidental Causes of Death														Suicide	Homicide	Other Violent Deaths
		Total Accidents	Home	Motor Vehicle	Water Transport	Other Transport	Poison	Falls	Machinery	Fire & Flames	Firearms	Suffocation	Drowning	All Other Accidents				
ICDA		800-949	*	810-823	830-838	800-07 825-27 840-45	850-877	880-887	928	890-899	922	911, 912	910	**	950-959	960-969	970-999
Milwaukee	528	300	97	116	1		21	68	1	25	2	11	11	44	155	55	18
Monroe	25	21	6	9			1	2		2	1			6	3	1	
Oconto	23	15	1	7			2	4						2	7		1
Oneida	32	26	9	8	1	1	1	2		2		1	3	7	5	1	
Outagamie	66	47	12	32			3	5		3				4	17	2	
Ozaukee	26	14	1	8				2						4	9	2	1
Pepin	4	2			1				1						2		
Pierce	10	9	2	4		1		1		2			1		1		
Polk	25	23	6	11				2	1	3			3	3	2		
Portage	26	17	5	8	1			5					2	1	8		1
Price	15	10	1	6			2			1	1				5		
Racine	120	74	15	37	1	1	3	12	1	4	1	2	4	8	28	17	1
Richland	8	7	1	3			1	2						1	1		
Rock	54	46	16	20			3	7		9		1	1	5	8		
Rusk	11	8	5	2	1			1		1		1	1	1	3		
St. Croix	22	21	1	13		1		3				1	2	1	1		
Sauk	34	30	3	14	2	2		2		2			5	3	3	1	
Sawyer	7	4		2	2										3		
Shawano	18	15	2	10	1			2						2	2		1
Sheboygan	48	32	8	9	2		4	8	1	3		2	1	2	12	4	
Taylor	16	16	1	12				1						3			
Trempealeau	27	20	5	9				4		5				2	6		1
Vernon	22	18	2	9	2		2	4					1		4		
Vilas	16	11	3	4	2			2					1	2	5		
Walworth	37	30	3	11	2		7	3					5	2	7		
Washburn	10	9	1	5							1	1	2		1		
Washington	43	36	8	22		1	3	4				1	1	4	6	1	
Waukesha	122	86	12	54	1	1	1	6	1	3	2	1	6	10	24	7	5
Waupaca	17	14	2	7	1	2		1			1		1	1	2		1
Waushara	24	17	1	11				2					3	1	7		
Winnebago	79	60	12	18	5	2	7	13	1	5		1	2	6	18		1
Wood	43	34	11	17	1		3	5				1	4	3	8	1	

* "Home Accidents" indicates place of accident. These events are also tabulated under the separate causes.

** ICDA numbers 900-909, 913-918, 923-925, 927-929, 930-936, 940-949.

Table 36
DEATHS FROM CANCER BY SITE, AGE AND SEX
Wisconsin, 1978
(Resident Data)

P. 1 of 2 pages

Cause of Death	ICDA	Total Number		Rate*		Age at Death											
						Under 1		1-4		5-14		15-19		20-24		25-34	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total................................		4530	3753	197.0	157.4	1	1	14	7	25	21	19	9	26	7	41	57
Lip..................................	140	5															
Tongue...............................	141	25	13	1.1													1
Salivary gland.......................	142	8	8														
Gum..................................	143	1	2														
Floor of mouth.......................	144	4	4														
Other & unspecified parts of mouth....	145	21	7	0.9													
Oropharynx...........................	146	19	4														
Nasopharynx..........................	147	12	4														
Hypopharynx..........................	148	12	4														
Pharynx, unspecified.................	149	18	8													1	
Esophagus............................	150	117	35	5.1	1.5												
Stomach..............................	151	200	131	8.7	5.5											2	1
Small intestine, including duodenum...	152	3	9														1
Large intestine, except rectum........	153	468	486	20.4	20.4											1	3
Rectum and rectosigmoid junction......	154	138	91	6.0	3.8												1
Liver & intrahepatic bile ducts, specified as primary..............	155	37	17	1.6								1		1		1	
Gallbladder and bile ducts............	156	42	88	1.8	3.7												
Pancreas.............................	157	226	222	9.8	9.3									1	1		1
Peritoneum & retroperitoneal tissue...	158	6	9														1
Unspecified digestive organs..........	159	7	6														
Nose, nasal cavities, middle ear and accessory sinuses.............	160	8	7														
Larynx...............................	161	42	4	1.8													
Trachea, bronchus, and lung...........	162	1257	363	54.7	15.2											7	1
Other & unspecified respiratory organs	163	12	8														
Bone.................................	170	24	10	1.0						2		2	1	1		1	
Connective & other soft tissue........	171	18	21		0.9					1			1			1	
Melanoma of skin.....................	172	48	32	2.1	1.3							1				4	3
Other of skin........................	173	15	11														1
Breast...............................	174	3	741		31.1												10
Cervix uteri.........................	180		61		2.6												2
Chorionepithelioma...................	181		1														
Other of uterus......................	182		105		4.4												
Ovary, fallopian tube & broad ligament	183		252		10.6								1				4
Other & unspec. female genital organs.	184		23		1.0												
Prostate.............................	185	524		22.8													
Testis...............................	186	13										3		5		1	
Other & unspec. male genital organs...	187	4															
Bladder..............................	188	172	60	7.5	2.5												
Kidney, other & unspec. urinary organs	189	123	67	5.4	2.8			1						1		1	1
Eye..................................	190	2	5								1						
Brain................................	191	80	75	3.5	3.1			2	1	5	2	1	2	2	1	8	6
Other parts of nervous system.........	192	32	29	1.4	1.2	1	1	5	1	3	4	1		1			3
Thyroid gland........................	193	7	15														
Endocrine glands.....................	194	8	8									1					
Ill-defined sites....................	195	22	29	1.0	1.2												
Secondary & unspecified of lymph nodes	196	2	3														
Secondary of respir. & digestive sys..	197	56	62	2.4	2.6												
Other secondary......................	198	18	22		0.9												1
Without specification of site.........	199	189	180	8.2	7.6					1		2		1		1	2
Lymphosarcoma & reticulum-cell sarcoma...........................	200	54	58	2.3	2.4					1	1	2	1			1	2
Hodgkin's disease....................	201	28	29	1.2	1.2						1	3		3	3	4	2
Other neoplasms of lymphoid tissue....	202	86	71	3.7	3.0					1	1			4	1	2	6
Multiple myeloma.....................	203	63	70	2.7	2.9												
Lymphatic leukemia...................	204	84	55	3.7	2.3			2	3	9	6		2	2		2	1
Myeloid leukemia.....................	205	76	68	3.3	2.9			1	2	2		2		1		2	2
Monocytic leukemia...................	206	3	5												1		
Other & unspecified leukemia..........	207	56	33	2.4	1.4			3			5		1	3		1	1
Polycythemia vera....................	208	8	6														
Myelofibrosis........................	209	24	16	1.0													

*Rates per 100,000 population of each sex group.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.
The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 36 (Cont.)

DEATHS FROM CANCER BY SITE, AGE AND SEX
Wisconsin, 1978

P. 2 of 2 pages (Resident Data)

		Age at Death											
		35-44		45-54		55-64		65-74		75-84		85+	
Cause of Death	ICDA	M	F	M	F	M	F	M	F	M	F	M	F
Total		101	107	390	386	970	761	1415	1059	1145	928	383	410
Lip	140							2				3	
Tongue	141	1		3		8	3	5	4	8	3		2
Salivary gland	142	3		1			1	1	3	2	3	1	1
Gum	143				1	1	1						
Floor of mouth	144			1	1	2		1	1		1		1
Other & unspecified parts of mouth	145			2	1	9	1	5	4	2	1	3	
Oropharynx	146	1		2		5	3	5	1	4		2	
Nasopharynx	147			2		2	1	6	1	2	1		1
Hypopharynx	148	1			3	4		6		1	1		
Pharynx, unspecified	149	2		2		8	3	3	4	2			1
Esophagus	150	1		16	5	30	6	44	12	17	8	9	4
Stomach	151	1	2	21	8	32	19	59	27	66	42	19	32
Small intestine, including duodenum	152						2	1	2	2	4		
Large intestine, except rectum	153	11	8	24	37	93	76	159	156	134	136	46	70
Rectum and rectosigmoid junction	154	2	1	6	8	23	10	44	21	44	24	19	26
Liver & intrahepatic bile ducts, specified as primary	155	1	1	5	3	10	5	13	6	3	1	2	1
Gallbladder and bile ducts	156				3	7	8	19	38	10	27	6	12
Pancreas	157	2	4	17	11	61	43	72	64	59	64	14	34
Peritoneum & retroperitoneal tissue	158			2	3		2	2		2	2		1
Unspecified digestive organs	159					1		3	1	2	4	1	1
Nose, nasal cavities, middle ear and accessory sinuses	160	2				5	4		1	1	1		1
Larynx	161	1		7	2	10	1	15	1	7		2	
Trachea, bronchus, and lung	162	21	12	144	54	367	115	427	91	245	65	46	25
Other & unspecified respiratory organs	163	1		3		3	1	3	2	2	4		1
Bone	170		1	1		8		4	2	4	3	1	3
Connective & other soft tissue	171	2			2	4	2	4	11	3	5	3	
Melanoma of skin	172	6	3	8	2	14	5	10	9	1	6	4	4
Other of skin	173	1		2		2	3	6	2	2	4	2	1
Breast	174	1	35	1	103	1	193		194		152		54
Cervix uteri	180		2		19		19		10		7		2
Chorionepithelioma	181		1										
Other of uterus	182		2		9		19		36		29		10
Ovary, fallopian tube & borad ligament	183		5		36		54		77		60		15
Other & unspec. female genital organs	184						1		7		12		3
Prostate	185			4		42		152		228		98	
Testis	186	2		1		1							
Other & unspec. male genital organs	187			1		1				2			
Bladder	188	1	1	5	2	18	4	57	18	60	24	31	11
Kidney, other & unspec. urinary organs	189	4		12	4	38	8	38	19	24	31	4	4
Eye	190	1					1	1	2		1		
Brain	191	4	3	10	9	13	22	22	18	12	8	1	3
Other parts of nervous system	192	2		4	1	10	11	5	4		3		1
Thyroid gland	193	1		2	1	3	3	1	4		5		2
Endocrine glands	194		4	3	1	2	2	1	1	1			
Ill-defined sites	195		1		1	6	5	8	10	3	7	5	5
Secondary & unspecified of lymph nodes	196							2			2		1
Secondary of respir. & digestive sys.	197		2	10	4	11	8	21	18	9	21	5	9
Other secondary	198		1	3	2	3	3	6	4	5	8	1	3
Without specification of site	199	9	5	16	14	36	36	59	48	50	51	14	24
Lymphosarcoma & reticulum-cell sarcoma	200	2	1	5	8	9	6	19	22	13	14	2	3
Hodgkin's disease	201	2	1	3	2	3	6	4	6	2	6	4	2
Other neoplasms of lymphoid tissue	202	2	3	12	4	18	11	23	22	17	16	7	7
Multiple myeloma	203			7	4	14	14	13	27	27	20	2	5
Lymphatic leukemia	204	3	1	3	1	7	6	23	11	23	11	10	13
Myeloid leukemia	205	4	3	9	12	11	6	13	18	21	18	10	7
Monocytic leukemia	206				1	2		1	2				1
Other & unspecified leukemia	207	2	2	7	4	8	3	17	8	11	8	4	1
Polycythemia vera	208							3	4	4	2	1	
Myelofibrosis	209	1	2	3		4	5	7	5	8	2	1	2

*Rates per 100,000 population of each sex group.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.
The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 37

DEATHS FROM CARDIOVASCULAR RENAL DISEASE, BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 1 of 2 pages (Resident Data)

Cause of Death	ICDA	Total Number		Rate*		Age at Death											
						Under 1		1-4		5-14		15-19		20-24		25-34	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total................................		11601	10397	504.6	436.1	9	8	5	4	4	7	7	8	17	11	51	28
Rheumatic fever w/o heart involvement.	390	1															
Rheumatic fever w/heart involvement...	391	1	1														
Diseases of pericardium..............	393	3															
Diseases of mitral valve.............	394	36	66	1.6	2.8											1	1
Diseases of aortic valve.............	395	58	55	2.5	2.3											2	
Diseases of mitral and aortic valves..	396	8	16														
Other endocardial structures.........	397	6	6														
Other heart dis. specified rheumatic..	398	22	38	1.0	1.6											1	
Malignant hypertension...............	400	6	7						1								
Essential benign hypertension........	401	6	12														
Hypertensive heart disease...........	402	73	102	3.2	4.3									1			
Hypertensive renal disease...........	403	53	48	2.3	2.0												
Hypertensive heart & renal disease....	404	35	33	1.5	1.4												
Acute myocardial infarction..........	410	3908	2398	170.0	100.6						1	1	1	3		19	4
Acute ischemic heart disease.........	411	38	30	1.7	1.3											1	
Chronic ischemic heart disease........	412	3768	3894	163.9	163.3											4	1
Angina pectoris......................	413	1	1														
Acute pericarditis, nonrheumatic......	420	1	1														
Acute and subacute endocarditis.......	421	11	8														
Acute myocarditis....................	422	4	4				1						1				
Chronic of pericardium, nonrheumatic..	423	6	2													2	1
Chronic of endocardium...............	424	18	23		1.0												
Cardiomyopathy.......................	425	79	43	3.4	1.8				1		1	1		2	1	3	
Pulmonary heart disease..............	426	14	8									1			1	1	
Symptomatic heart disease............	427	510	449	22.2	18.8	5	4	2		1	3	2		4	3	4	4
Other myocardial insufficiency........	428	26	40	1.1	1.7	1	1									1	1
Ill-defined heart disease............	429	345	139	15.0	5.8										1		
Subarachnoid hemorrhage..............	430	49	102	2.1	4.3	1				1	1		2	1	1	2	6
Cerebral hemorrhage..................	431	187	257	8.1	10.8		2	1					2	4		1	6
Occlusion of precerebral arteries.....	432	29	16	1.3													1
Cerebral thrombosis..................	433	360	448	15.7	18.8	1		1							1	1	
Cerebral embolism....................	434	12	6														
Transient cerebral ischemia..........	435	2	1														
Acute but ill-defined cerebrovascular.	436	637	768	27.7	32.2												
Generalized ischemic cerebrovascular..	437	341	443	14.8	18.6											1	
Other & ill-defined cerebrovascular...	438	31	49	1.3	2.1			1	1			1			1	1	
Arteriosclerosis.....................	440	329	406	14.3	17.0												
Aortic aneurysm (nonsyphilitic).......	441	244	92	10.6	3.9					1					1	3	
Other aneurysm.......................	442	18	16											1			
Other peripheral vascular disease.....	443	8	14														
Arterial embolism & thrombosis........	444	52	77	2.3	3.2												
Gangrene.............................	445	27	46	1.2	1.9												
Polyarteritis nodosa & allied condit..	446	3	11						1							1	1
Other of arteries and arterioles......	447	6	8														
Diseases of capillaries..............	448	-	-														
Pulmonary embolism and infarction.....	450	134	119	5.8	5.0							1	2	1	1	1	1
Phlebitis and thrombophlebitis........	451	16	22		0.9												
Portal vein thrombosis...............	452	1															
Other venous embolism & thrombosis....	453	12	13														
Varicose veins of lower extremities...	454	1	2														
Hemorrhoids..........................	455	-	-														
Varicose veins of other sites.........	456	3	2														1
Noninfect. dis. of lymphatic channels.	457	-	-														
Other diseases of circulatory system..	458	14	8			1											
Chronic nephritis....................	582	46	46	2.0	1.9					1	1					1	
Nephritis, unqualified...............	583	1	1														
Renal scelerosis, unqualified.........	584	1															

*Rates per 100,000 population of each sex group.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 37 (Cont.)

DEATHS FROM CARDIOVASCULAR RENAL DISEASE, BY CAUSE, AGE AND SEX
Wisconsin, 1978

P. 2 of 2 pages

(Resident Data)

		Age at Death											
		35-44		45-54		55-64		65-74		75-84		85+	
Cause of Death	ICDA	M	F	M	F	M	F	M	F	M	F	M	F
Total...............................		165	82	671	236	1721	706	3185	1908	3610	3734	2156	3665
Rheumatic fever w/o heart involvement.	390			1									
Rheumatic fever w/heart involvement...	391					1					1		
Diseases of pericardium..............	393			1				1		1			
Diseases of mitral valve.............	394	1	1	4	5	12	21	12	13	4	16	2	9
Diseases of aortic valve.............	395	1	1	5	3	10	2	18	16	14	20	8	13
Diseases of mitral and aortic valves..	396		1	2	1	2	4	2	8	1	2	1	
Other endocardial structures..........	397			1	1		1	2	2	2	2	1	
Other heart dis. specified rheumatic..	398	1		3	3	5	5	8	19	2	7	2	4
Malignant hypertension...............	400		1	1		2	1	2	1	1	2		1
Essential benign hypertension.........	401		1			2		3	3	1	4		4
Hypertensive heart disease...........	402	6		7	3	15	12	18	26	22	37	4	24
Hypertensive renal disease...........	403				1	4	1	13	9	23	21	13	16
Hypertensive heart & renal disease....	404					2	2	6	4	10	12	17	15
Acute myocardial infarction...........	410	78	15	338	75	787	247	1233	600	1082	943	367	512
Acute ischemic heart disease..........	411	1	1	3	1	9	3	8	6	8	11	8	8
Chronic ischemic heart disease........	412	32	15	148	42	439	155	933	572	1250	1363	962	1746
Angina pectoris......................	413			1									1
Acute pericarditis, nonrheumatic......	420						1	1					
Acute and subacute endocarditis.......	421	2	1	2		1	3	5	1	1	3		
Acute myocarditis....................	422	1						2	2	1			
Chronic of pericardium, nonrheumatic..	423					4							1
Chronic of endocardium...............	424		2			1	1	3	5	10	10	4	5
Cardiomyopathy.......................	425	3	1	15	6	32	14	11	12	8	5	4	2
Pulmonary heart disease..............	426			1	3	3		4		2	2	2	2
Symptomatic heart disease............	427	9	8	20	20	78	42	138	94	160	130	87	141
Other myocardial insufficiency........	428					4	1	5	4	5	14	10	19
Ill-defined heart disease............	429	8	2	33	6	67	23	116	42	93	42	28	23
Subarachnoid hemorrhage..............	430	8	14	10	20	18	23	2	24	5	9	1	2
Cerebral hemorrhage..................	431	5	4	17	16	26	35	54	59	55	88	24	45
Occlusion of precerebral arteries.....	432		1	5		7	1	11	8	6	3		2
Cerebral thrombosis..................	433	1	1	11	3	28	15	83	62	140	193	94	173
Cerebral embolism....................	434			1		1	1	4	2	4	2	2	1
Transient cerebral ischemia...........	435									2			1
Acute but ill-defined cerebrovascular.	436		3	11	7	41	29	184	125	233	306	168	298
Generalized ischemic cerebrovascular..	437					17	7	65	48	136	175	122	213
Other & ill-defined cerebrovascular...	438			1		8	1	5	6	9	18	5	22
Arteriosclerosis.....................	440				2	15	7	45	34	125	129	144	234
Aortic aneurysm (nonsyphilitic).......	441	3		7	3	32	5	93	25	85	33	20	25
Other aneurysm.......................	442	1		3	3	5	2	4	5	4	4		2
Other peripheral vascular disease.....	443							5	3	1	3	2	8
Arterial embolism & thrombosis........	444	1		1	2	6	6	18	15	18	31	8	23
Gangrene.............................	445			1		2	1	3	6	11	10	10	29
Polyarteritis nodosa & allied condit..	446		2		1		1		2	2	3		
Other of arteries and arterioles......	447		1		1	2	1	1	3	3	2		
Diseases of capillaries..............	448												
Pulmonary embolism and infarction.....	450		5	11	5	17	15	40	21	39	46	24	23
Phlebitis and thrombophlebitis........	451	1		1	1	2	7	6	3	6	7		4
Portal vein thrombosis...............	452									1			
Other venous embolism & thrombosis....	453		1	2		2	2	4	3	3	4	1	3
Varicose veins of lower extremities...	454					1			2				
Hemorrhoids..........................	455												
Varicose veins of other sites.........	456			1	1			1		1			
Noninfect. dis. of lymphatic channels.	457												
Other diseases of circulatory system..	458			1		2	1	2	1	5	3	3	3
Chronic nephritis....................	582	2		1	1	9	7	10	12	14	17	8	8
Nephritis, unqualified...............	583							1			1		
Renal sclerosis, unqualified..........	584									1			

*Rates per 100,000 population of each sex group.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.
The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Figure 8

DEATHS FROM CARDIOVASCULAR RENAL DISEASE
BY SEX AND AGE GROUPS
Wisconsin, 1978

(Resident Data)

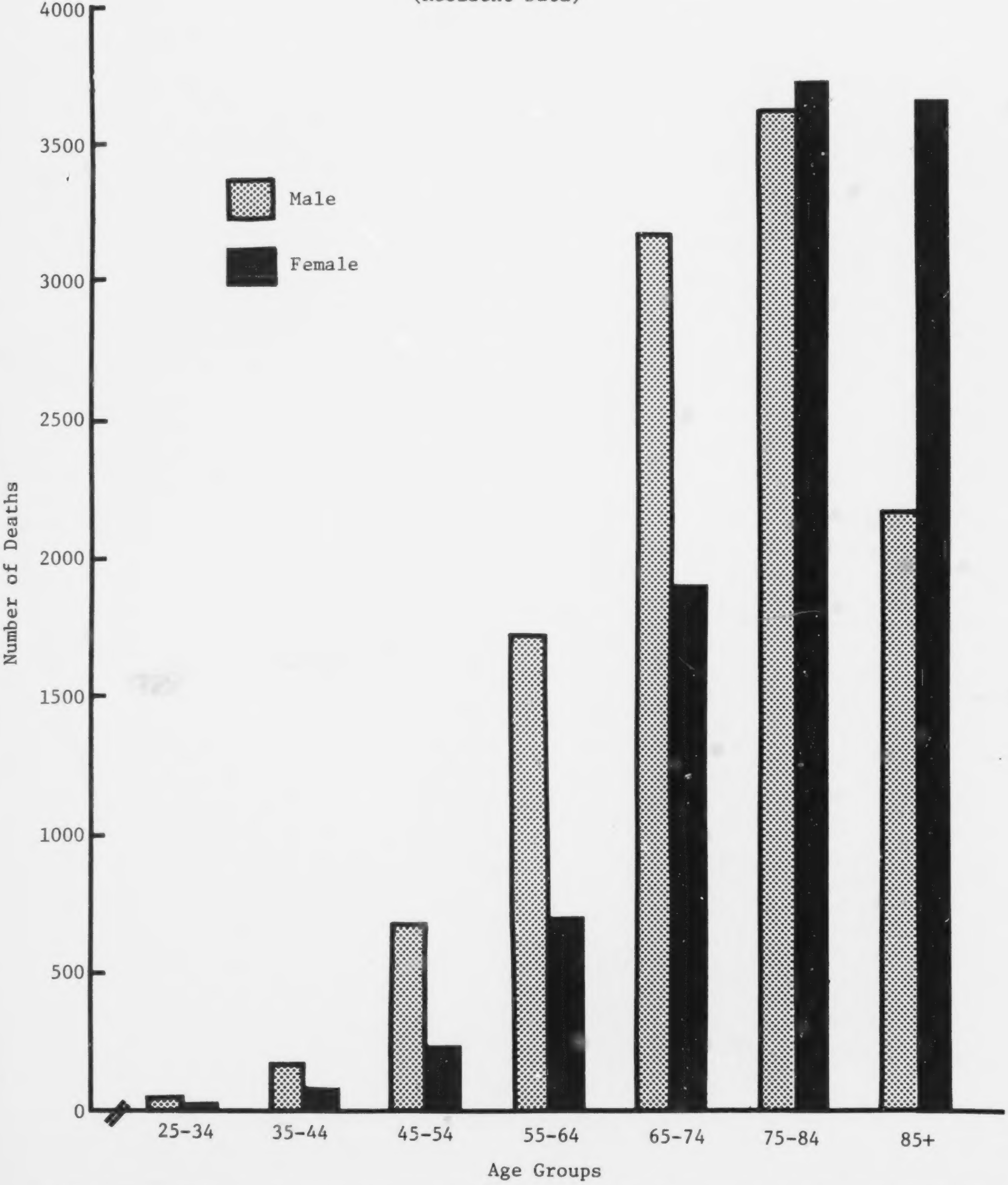

Table 40A

CAUSE OF DEATH BY OCCUPATION

Wisconsin, 1978

P. 1 of 2 pages

(Resident Data)

Cause of Death	Total	Professional, Technical and Kindred	Farmers and Farm Workers	Mgrs.,Officials, Proprietors (Except Farm)	Clerical and Kindred	Sales	Craftsmen, Foremen, and Kindred	Operators	Service	Farm Laborers and Foremen	Laborers except Farm	Students 15 and over	Housewives	Infants & Children <15	Unknown & Misc.
Total - all causes of death	40285	2703	3541	3230	2137	1350	4839	4229	2281	185	2192	356	11519	1189	534
I. Infective and parasitic diseases 000-136	296	21	21	25	11	11	29	30	17		11	2	81	29	8
010-019 Tuberculosis - all forms	37	5	2	3	1	2	5	4	2		4		9		
038,039 Septicemia, & other bacterial diseases	160	7	14	16	5	4	15	14	9		5		50	16	5
(A) All other infective & parasitic diseases	99	9	5	6	5	5	9	12	6		2	2	22	13	3
II. Neoplasms 140-239	8348	656	618	781	559	302	1134	960	499	27	443	33	2190	74	72
140-209 Neoplasms, malignant	8283	649	615	775	554	301	1129	954	498	27	443	32	2167	69	70
140-149 Buccal cavity & pharynx	179	14	10	17	13	7	31	28	9		16		31		3
150 Esophagus	152	8	10	16	6	7	26	32	4	1	19		23		
151 Stomach	331	29	43	21	22	15	47	31	22	1	20		78		2
153 Large intestines, exc. rectum	954	77	77	93	67	34	110	97	64	1	41		290		3
154 Rectum	229	11	25	22	11	7	32	23	13	2	15		65		3
155,156 Liver (primary), bile ducts, gallbladder	184	16	6	11	12	6	21	20	10		11	1	65		5
157 Pancreas	448	31	38	37	25	15	56	45	27	2	24	1	142		5
160,161,163 Respiratory, except lung, trachea & bronchus	81	9	1	9	7	2	17	10	7		5		11		3
162 Trachea, lung & bronchus	1620	103	111	209	91	59	349	257	102	6	123		201		9
174 Breast	744	82	4	21	79	30	8	39	51		7		413		10
180-184 Cervix uteri, ovary & other female genital organs	442	32		19	48	15	10	18	29		7		257		7
185-187 Prostate & other male genital organs	541	44	108	75	21	26	121	77	19	5	42	2			1
188 Bladder	232	16	24	31	16	8	35	37	15	1	9		38		2
189 Kidney & other urinary organs	190	22	10	20	6	8	23	29	14	1	10	1	43	1	2
191 Brain	155	9	9	19	10	4	16	15	13		9	5	33	10	3
204-207 Leukemia & aleukemia	380	36	32	30	27	11	52	27	16	3	18	5	88	33	2
200-203,208,209 Lymphosarcoma and hematopoietic tissue	513	45	52	45	27	15	64	63	22	3	17	8	143	5	4
(B) Other malignant neoplasms	908	65	55	80	66	32	111	106	61	1	50	9	246	20	6
210-239 Neoplasms, benign and unspecified	65	7	3	6	5	1	5	6	1			1	23	5	2
III. Endocrine, nutritional, & metabolic dis. 240-279.	964	51	67	64	44	41	79	101	61	3	48	3	369	17	16
250 Diabetes mellitus	739	38	53	49	29	31	59	77	50	1	41		301	1	9
260-269 Avitaminoses, other nutritional deficiencies	75	4	7	5	4	5	6	9	3	2	3		21	4	2
Other metabolic diseases	150	9	7	10	11	5	14	15	8		4	3	47	12	5
IV. Diseases of blood & blood forming organs 280-289.	124	18	10	5	9	4	6	19	8		5	1	32	5	2
280-285 Anemias	77	12	5	3	3	3	3	14	6		3	1	19	3	2
286-289 All other	47	6	5	2	6	1	3	5	2		2		13	2	
V. Mental disorders 290-315	251	12	16	13	15	8	33	29	16	1	23		71		14
VI. Diseases of nervous system & sense organs 320-389	397	40	26	29	25	12	33	32	20		17	8	93	36	26
VII. Diseases of the circulatory system 390-458	21904	1438	2185	1820	1106	743	2555	2187	1202	104	1114	13	7154	35	248
390-392 Rheumatic fever	3		1	1									1		
393-398 Chronic rheumatic heart disease	314	21	17	34	27	8	35	28	19		8		115		2
400(exc. 400.1), 401,403 Hypertension without mention of heart	129	12	17	9	7	4	16	8	6		5		41	1	3
400.1,402,404 Hypertension w/heart disease	246	9	16	16	9	4	31	26	17	1	14		98		5
410 Acute ischemic heart disease	6306	436	693	622	316	226	839	729	362	32	365	2	1624	1	59
412 Chronic ischemic heart disease	7663	476	705	597	378	237	853	749	409	34	370		2772		83
411,413 Other ischemic heart disease	70	4	6	8	3	4	7	7	6		4		20		1
424,428 Chronic disease of endocardium, other myocardial insufficiency	107	8	12	7	2		12	6	5	1	3		48	2	1

(A) ICDA Nos. 000-009, 020-027, 030-037, 040-046, 050-057, 060-068, 070-089, 098-104
(B) ICDA Nos. 152, 158-159, 170-173, 190, 192-199
(C) ICDA Nos. 420-423, 425-427, 429
(D) ICDA Nos. 460-466, 500-508, 510-519
(E) ICDA Nos. 520-530, 535-537, 540-543, 550-553, 560-569, 570, 572-577
(F) ICDA Nos. 601-629
(G) ICDA Nos. 630-639,650-662,670-678
(H) ICDA Nos. 760-763,769-771,773-775,777-779

Table 40A (Cont.)

CAUSE OF DEATH BY OCCUPATION
Wisconsin, 1978

P. 2 of 2 pages

(Resident Data)

Cause of Death	Total	Professional, Technical and Kindred	Farmers and Farm Workers	Mgrs.,Officials,Proprietors (Except Farm)	Clerical and Kindred	Sales	Craftsmen, Foremen, and Kindred	Operators	Service	Farm Laborers and Foremen	Laborers except Farm	Students 15 and over	Housewives	Infants & Children <15	Unknown & Misc.
430-438 Cerebrovascular disease	3738	248	350	242	211	141	365	312	205	12	174	4	1414	10	50
440 Arteriosclerosis	735	54	81	50	34	23	64	61	36	4	31		285		12
441-448 Other diseases of arteries, arterioles	622	48	49	64	31	25	85	65	33	4	28		185	2	3
450-458 Diseases of veins & lymphatics, & diseases of circulatory system	347	22	32	36	16	12	35	35	21	3	19	2	110	1	3
(C) All other forms of heart disease	1624	100	206	134	72	59	213	161	83	13	93	5	441	18	26
VIII. Diseases of the respiratory system 460-519	2445	150	266	171	118	78	340	280	156	18	145	7	601	61	54
470-474 Influenza	158	7	23	10	12	2	9	10	7	1	3		72		2
480-486 Pneumonia	1078	74	121	61	37	32	119	111	61	7	60	3	335	29	28
490,491 Bronchitis, chronic & unqualified	81	5	11	3	8	3	11	9	6	1	6		11	3	4
492,493 Emphysema and asthma	330	20	32	24	16	9	73	47	28	1	19	2	50	2	7
(D) Other	798	44	79	73	45	32	128	103	54	8	57	2	133	27	13
IX. Diseases of the digestive system 520-577	1193	71	86	116	63	45	149	127	81	5	75	2	337	17	19
531-534 Ulcer of the stomach, duodenum; peptic and gastrojejunal	117	3	12	13	4	6	13	13	4	1	6		38	1	3
571 Cirrhosis of liver	482	32	18	55	29	18	74	72	34	1	44		101	1	3
571.0 with alcoholism	211	15	6	20	12	10	33	30	15	1	24		43		2
571.8,.9 w/out mention of alcohol	271	17	12	35	17	8	41	42	19		20		58	1	1
(E) Other	594	36	56	48	30	21	62	42	43	3	25	2	198	15	13
X. Diseases of genitourinary system 580-629	431	29	45	28	17	15	55	45	29		26		129	7	6
580-584 Nephritis & nephrosis	127	7	8	13	7	6	15	9	6		7		42	5	2
590 Infections of kidney	49	1	5	2		2	7	6	3		2		19		2
600 Hyperplasia of prostate	27	2	9	3	2	1	7	2			1				
(F) Other	228	19	23	10	8	6	26	28	20		16		68	2	2
XI. Complications of pregnancy, childbirth and puerperium 630-678	8				3				1			1	2		1
640-645 Abortions															
(G) Other	8				3				1			1	2		1
XII. Diseases of skin & subcutaneous tissue 680-709	36		6	3	2	2	1	5	2		1		12	1	1
XIII. Diseases of musculoskeletal system and connective tissue 710-738	123	9	8	6	12	4	13	10	8		4	2	43		4
XIV. Congenital anomalies 740-759	301	8	6	3	5	6	5	2	3		4	7	16	225	11
XV. Certain causes of perinatal morbidity and mortality 760-779	340													340	
764-768: .0-.3, 772 Birth injuries	25													25	
764-768: .4, .9,776 Anoxic & hypoxic conditions	152													152	
(H) Other	163													163	
XVI. Symptoms, senility, and ill-defined causes of mortality 780-796	373	24	33	22	11	9	28	25	14	2	14	3	73	110	5
XVII. Accidents, poisonings and violence E800-999	2751	176	148	144	137	70	379	377	164	25	262	274	316	232	47
810-823 Motor vehicle	990	60	37	42	60	21	139	155	50	7	105	152	78	78	6
800-807,825-827,830-949 All other accidents	1005	59	72	56	42	20	124	104	55	11	87	58	162	130	25
950-959 Suicide	582	47	36	37	27	19	96	88	46	6	52	51	60	8	9
960-978 Homicide & legal intervention	128	7	3	8	5	4	15	23	11		13	10	11	11	7
980-999 Operations of war & undetermined violent deaths	46	3		1	3	6	5	7	2	1	5	3	5	5	

Morbidity

MORBIDITY

Tables 41 and 43 contain reportable disease data which are known to be incomplete. The tables include only those cases of disease that are reported by physicians, health officers, public health and school nurses, laboratories and hospitals.

Because of the great attention given to certain communicable diseases such as tuberculosis and poliomyelitis, reporting for these diseases is believed to be more complete. Polio peaked in 1955 in Wisconsin with 2,544 cases reported. Five years later, this number was reduced almost 100 fold with only 27 cases reported. From 1965 thru 1978 only one case of polio was reported (1972). Tuberculosis cases have also shown a dramatic decline, with the 1970 rate for active cases being less than one-seventh the rate in 1950.

Not all communicable diseases have declined, however. Some communicable diseases have shown cyclical highs and lows; others, notably venereal diseases, increases substantially in the last decade, but did not fluctuate to any great degree between 1977 and 1978.

Chronic disease data are generally available only from special surveys such as the National Health Surveys carried out by the National Center for Health Statistics. States do no survey research of comparable extent to obtain morbidity data on a continuous basis. Hospital morbidity data are available for Wisconsin from a 1977 study of hospital discharges completed by the Bureau of Health Statistics.

Summary of Tuberculosis Reporting

Effective January 1, 1975 the new Diagnostic Standards and Classification of Tuberculosis, 1974 edition, came into use. At the same time there was a change in reporting requirements of tuberculosis cases. The new classification eliminated the terms tuberculosis "active," "quiescent" and "inactive." Instead, the term "tuberculosis: infected, with disease" is used followed by an indication of location of disease, bacteriologic status by smear and culture and chemotherapy status, specifying the drugs used with dates. Reportable cases became on January 1, 1975, all cases of tuberculosis in which either a positive bacteriology report was received or cases which were placed on two or more antituberculosis drugs. In contrast, the old reporting system required only cases judged to have "active" disease in accordance with the 1969 edition of Diagnostic Standards and Classification of Tuberculosis, and which had never been previously reported to be counted in establishing a case rate. Great caution should be exercised when comparing data collected under the new standards and classification with data derived from the older system.

Table 41

CASES AND DEATHS* FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1978

P. 1 of 4 pages (Resident Data)

	Brucellosis (undulant fever)		Chickenpox		Dysentery (bacillary)		German Measles		Jaundice (Infectious Hepatitis)		Measles		Meningococcal Meningitis	
	023		052		004.9		056		070		055		036	
County	C	D	C	D	C	D	C	D	C	D	C	D	C	D
State Total....	2		14279		266		1611	1	269	6	1493		18	2
Adams..........														
Ashland........			3				12							
Barron.........			3						2					
Bayfield.......			46				1		2					
Brown..........			667		5		56		11		35		1	
Buffalo........			64				2							
Burnett........														
Calumet........							2		2					
Chippewa.......			40				2		2	1				
Clark..........							1		1		1			
Columbia.......			126		4		35				3			
Crawford.......			2											
Dane...........			285		16		121	1	10		128		7	1
Dodge..........			137		11		3		5	1	5			
Door...........			1				2		3		1		1	
Douglas........			40				2		5					
Dunn...........			9				4							
Eau Claire.....			126				208		6				1	
Florence.......			2						1					
Fond du Lac....			67		1						35			
Forest.........			5								1			
Grant..........			48		4		10		1		1		1	
Green..........			19				1		1		2			
Green Lake.....			20								1			
Iowa...........			11		1		3							
Iron...........			4										1	
Jackson........			18						2					
Jefferson......			195		4		3		7		1			
Juneau.........			1		1						1			
Kenosha........			1092		1		27		16		634			
Kewaunee.......			112				5		1		3			
La Crosse......			38		1		83		6					
Lafayette......			1								3			
Langlade.......			78				1							
Lincoln........			11				1							
Manitowoc......			59				3		2	1	2			
Marathon.......			367				7		11		4		2	
Marinette......	1		84				2				57			
Marquette......			10											
Menominee......			2				1							

*The abbreviation "C" stands for cases and "D" for deaths.

Table 41 (Cont.)

CASES AND DEATHS* FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1978

P. 2 of 4 pages

(Resident Data)

County	Brucellosis (undulant fever)		Chickenpox		Dysentery (bacillary)		German Measles		Jaundice (infectious Hepatitis)		Measles		Meningococcal Meningitis	
	023		052		004.9		056		070		055		036	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D
Milwaukee......			5164		129		732		96	2	393			
Monroe.........			3								2			
Oconto.........			70				3		1		3			
Oneida.........			125				5				4			
Outagamie......			1006		2		12		5		19			
Ozaukee........			282		5		5		1		15			
Pepin..........							1							
Pierce.........			1						1		1			
Polk...........			59						1					
Portage........			102		1		47		2		1			
Price..........			3				3							
Racine.........			683		9		31		9		27			
Richland.......			6											
Rock...........			413		5		4		13		3			
Rusk...........									1					
St. Croix......			32				1							
Sauk...........			8		5		1		1		4			
Sawyer.........					11									
Shawano........			101				1		1					
Sheboygan......			385		12		15		7		11		1	
Taylor.........			12											
Trempealeau....			19		1		5		1		1			
Vernon.........			8		1		2		1				1	
Vilas..........			94				3				2			
Walworth.......	1		50		4		31		3	1	6			
Washburn.......														
Washington.....			136		2		2		1				1	1
Waukesha.......			920		27		100		19		15			
Waupaca........			157				2				21		1	
Waushara.......			21		2				3		2			
Winnebago......			545		1		7		2		44			
Wood...........			76						3		1			

Table 41 (Cont.)

CASES AND DEATHS FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1978

P. 3 of 4 pages (Resident Data)

	Aseptic Meningitis (Viral)		Mumps		** Rabies (in animals)		Rheumatic Fever (acute)		Salmonella Infections		Strepto-coccal Disease Respiratory		Tubercu-losis		Whooping Cough	
	045		072		071		390		003.9		034		010-019		033	
County	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
State Total....	97		1332		93		14	1	935	3	10902		260	37	47	
Adams..........									1							
Ashland........									1		304					
Barron.........			2		3				11		62		2	1		
Bayfield.......			1						1		4		1			
Brown..........	1		12				3		21		115		7	2	3	
Buffalo........					1						50					
Burnett........														1		
Calumet........							1		7				1			
Chippewa.......			1		4				14	1	168		4			
Clark..........					3						69					
Columbia.......			1						35		205		1	1	1	
Crawford.......	1								4		3		5			
Dane...........	4		17		3				81		1280		14	1	18	
Dodge..........			2		4				13		73					
Door...........			3								82					
Douglas........			1						7		13		2			
Dunn...........					2				2		44		1	2		
Eau Claire.....	2		2		4				3		1814		6		2	
Florence.......																
Fond du Lac....			6		7				5		112		2	1		
Forest.........									2		67		1			
Grant..........	2		1		1				4		140		1			
Green..........			1						3		667		3	1		
Green Lake.....					3				2		1		1			
Iowa...........									3		104					
Iron...........			2								1					
Jackson........									1		8		1			
Jefferson......			3		1				15		95		2			
Juneau.........									1		106					
Kenosha........	1		10						27		26		7	1		
Kewaunee.......			2						5		6		1	1		
La Crosse......	3		2						18		803		2		5	
Lafayette......	1										12					
Langlade.......			1		2				2		165		1			
Lincoln........			4		3				2		174		1			
Manitowoc......			9		1				35		11		2			
Marathon.......	2		14		7				15		477		4		2	
Marinette......					1				2		5		2			
Marquette......					1				1		2					
Menominee......											1					

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*1975 and the subsequent years figures cannot be compared to any previous years because of a difference in diagnostic classification reporting requested by the Center for Disease Control (CDC), effective January, 1975, References, Tuberculosis in the U.S., U.S. Dept. H.E.W., Center for Disease Control, Atlanta, Ga., August 1976, H.E.W. publ. No. (CDC) 76-8322, P. 31.

**Rabies cases are those reported in animals; rabies deaths, if any, are human deaths.

Table 41 (Cont.)

CASES AND DEATHS FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1978

P. 4 of 4 pages

(Resident Data)

	Aseptic Meningitis (Viral)		Mumps		Rabies** (in animals)		Rheumatic Fever (acute)		Salmonella Infections		Strepto-coccal Disease Respiratory		Tubercu-losis		Whooping Cough	
	045		072		071		390		003.9		034		010-019		033	
County	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
Milwaukee.....	71		1110		1		3		232		885		121	15	3	
Monroe........	1		4						9		52		2			
Oconto........			2						2		8					
Oneida........			4						3		27		4	1		
Outagamie.....	2		8		1		1		32		57		2	2		
Ozaukee.......	1		12		2				12		47		2		1	
Pepin.........									2							
Pierce........			1		7				4				1			
Polk..........			1		1		1				154					
Portage.......			13						6		47		1			
Price.........					3			1	2							
Racine........	1		15						26		80		11	2		
Richland......											1					
Rock..........			14						30		36		4			
Rusk..........					2						38					
St. Croix.....					4				4		28		1		4	
Sauk..........					1				4		3		1		2	
Sawyer........											1					
Shawano.......	1		1		2				1		81				1	
Sheboygan.....			3		1				21	1	28		9	1	3	
Taylor........					5				6							
Trempealeau...					3				7		203		3		1	
Vernon........					4				5		1					
Vilas.........			2						1		2					
Walworth......			4				2		6		181		2	1		
Washburn......									1		133					
Washington....			5		3				19		277				1	
Waukesha......			23						107	1	159		7	1		
Waupaca.......			1		1				3		169		4	1		
Waushara......			1				2		2		11					
Winnebago.....	2		9				1		28		72		6			
Wood..........	1		2		1				16		852		4	1		

Table 43

CASES AND DEATHS FROM REPORTABLE DISEASE BY MONTH
Wisconsin, 1978

(Resident Data)

Reportable Diseases	ICDA	Cases		Deaths		Jan.		Feb.		Mar.		Apr.		May	
		No.	Rate*	No.	Rate*	C	D	C	D	C	D	C	D	C	D
Brucellosis (undulant fever)	023	2				1									
Chickenpox	052	14279	304.9			1253		1489		2135		1749		1911	
Dysentery (bacillary)	004.9	266	5.7			4		10		18		24		16	
Encephalitis (Arthropod borne Viral)	064	-													
German Measles (Rubella)	056	1611	34.4	1		27		65		194		340		548	
Jaundice (Infectious hepatitis)	070	269	5.7	6		16	2	15		35		19		16	1
Measles (Rubeola)	055	1493	31.9			15		54		331		329		362	
Meningitis,Meningococcal	036	18		2		1		1		2		4	1	1	
Meningitis, Aseptic	045	97	2.1							1		2			
Mumps	072	1332	28.4			65		99		193		133		165	
Poliomyelitis	040-043														
Rabies in animals**	071	93	2.0			6		9		3		4		10	
Rheumatic fever (acute)	390	14		1		2		2				2		2	
Salmonella Infections	003.9	935	20.0	3		9		19		21		39		61	
Streptococcal disease (respiratory)	034	10902	232.8			951		1242		1857		1033		766	
Tuberculosis**	010-019	260	5.6	37	0.8	9	4	13	4	21	5	13	2	19	2
Whooping Cough	033	47	1.0			5		4		2		4		3	

Reportable Diseases	ICDA	June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
		C	D	C	D	C	D	C	D	C	D	C	D	C	D
Brucellosis (undulant fever)	023							1							
Chickenpox	052	1710		828		289		120		355		945		1495	
Dysentery (bacillary)	004.9	22		15		40		18		19		38		42	
Encephalitis (Arthropod borne Viral)	064														
German Measles (Rubella)	056	233		77		44		13	1	9		34		27	
Jaundice (Infectious hepatitis)	070	14		23		24	1	20	1	25		22		40	1
Measles (Rubeola)	055	248		77		42		12		6		10		7	
Meningitis,Meningococcal	036	2										7	1		
Meningitis, Aseptic	045			3		20		36		23		10		2	
Mumps	072	160		134		79		33		36		82		153	
Poliomyelitis	040-043														
Rabies in animals**	071	6		13		8		8		7		6		13	
Rheumatic fever (acute)	390	1									1	2		3	
Salmonella Infections	003.9	71		78		110		81	1	89	2	122		235	
Streptococcal disease (respiratory)	034	582		486		472		561		772		1086		1094	
Tuberculosis**	010-019	22	3	10	1	25	3	25	2	19	5	37	3	47	3
Whooping Cough	033	2		4		10		4		4		1		4	

*Rate per 100,000 population. Rates based on fewer than 20 cases or deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

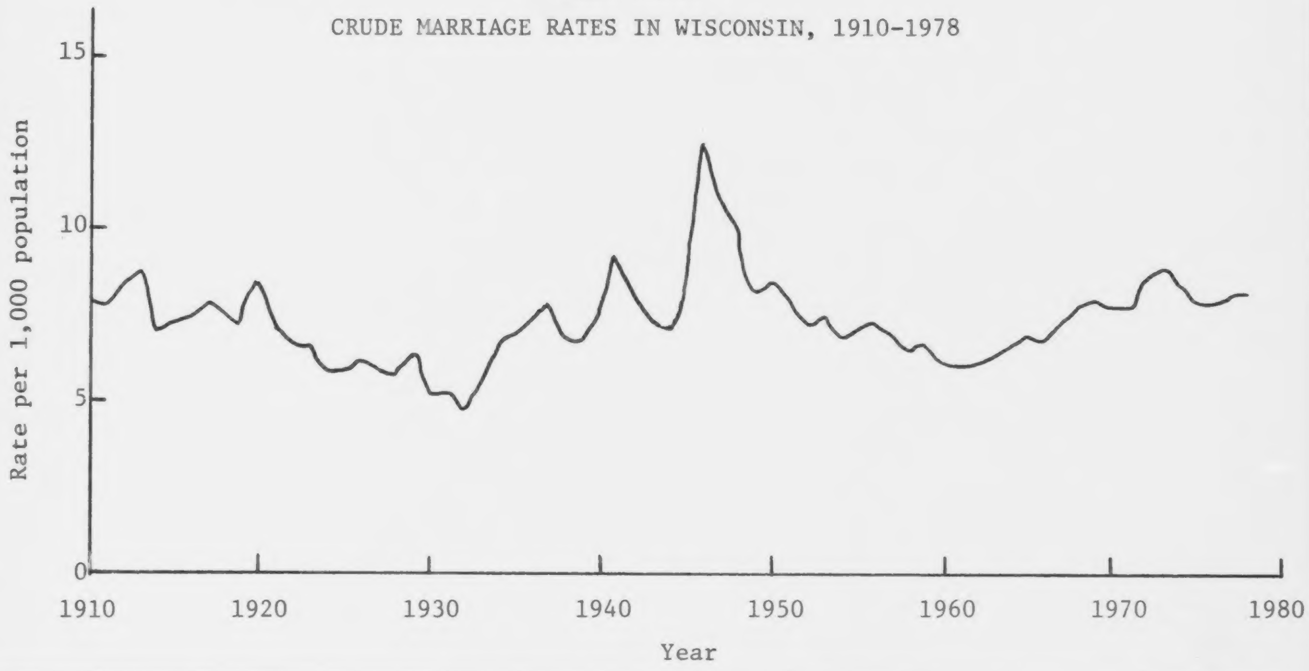
**Rabies cases are those reported in animals; rabies deaths, if any, are human deaths.

Note: 1975 and the subsequent years figures cannot be compared to any previous years because of a difference in diagnostic classification reporting requested by the Center for Disease Control (CDC), effective January, 1975. References, Tuberculosis in the U.S. Dept. H.E.W., Center for Disease Control, Atlanta, Ga., August 1976, H.E.W. publ. No. (CDC) 76-8322, P. 31.

Marriage and Divorce

Text Table 4

CRUDE MARRIAGE RATES IN WISCONSIN, 1910-1978



From 1910 to the present major movements in the crude marriage rates have responded to war and depression. Before the Great Depression, the rates fluctuated around 7 or 8 per 1,000 population, except for the low rate of 4.6 in 1918 when many men were overseas during World War I. Depression years brought a decline with another low of 4.7 marriages per 1,000 population reached in 1932. From 1934 to 1945 rates were similar to the pre-depression levels except for the rise in 1941 during World War II. With the return of servicemen in 1946 an all-time high was reached with the occurrence of more than 12 marriages per 1,000 population. Rates then declined gradually to 6 marriages per 1,000 population through 1962. From 1963 through 1973 the rates increased to 8.8, this being the highest level since the end of World War II, then decreased in 1974 to 8.4 and again in 1976 to 7.8. Rates in 1977 and 1978 showed an increase in the crude marriage rate of 8 marriages per 1,000 population.

Table 44
MARRIAGES BY COUNTY, WISCONSIN, 1978
(Occurrence Data)

County	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
State Total....	38,189	1,585	1,576	1,670	2,997	3,593	5,013	4,174	4,446	4,475	3,588	2,456	2,616
Adams..........	115	3	7	4	13	4	17	12	17	14	9	5	10
Ashland........	164	9	9	6	14	16	27	18	19	13	7	10	16
Barron.........	408	11	18	16	24	24	52	44	62	58	35	26	38
Bayfield.......	130	4	2		9	6	18	16	15	21	22	7	10
Brown..........	1,517	66	62	74	128	132	188	170	172	190	142	106	87
Buffalo........	116	2	3	1	9	13	18	10	12	13	18	9	8
Burnett........	101	4	5	4	4	14	15	8	6	15	12	6	8
Calumet........	191	7	14	2	13	19	23	24	21	21	20	19	8
Chippewa.......	428	15	17	26	31	27	42	45	56	61	51	27	30
Clark..........	284	4	11	7	21	32	40	38	30	36	31	22	12
Columbia.......	398	14	9	16	42	37	67	36	50	46	29	21	31
Crawford.......	119		2	3	9	10	18	15	18	16	12	12	4
Dane...........	2,520	118	104	110	190	256	362	262	306	272	226	130	184
Dodge..........	607	18	31	23	40	60	89	62	75	67	54	43	45
Door...........	236	14	6	9	16	24	34	28	27	26	25	8	19
Douglas........	404	16	18	25	30	27	55	33	55	39	39	30	37
Dunn...........	235	13	8	13	16	25	28	27	27	24	27	12	15
Eau Claire.....	676	32	28	32	61	76	100	68	65	78	52	36	48
Florence.......	19	1	1	2	1		5	5	1	2	1		
Fond du Lac....	745	29	30	31	65	68	97	89	75	93	75	48	45
Forest.........	95	4	8	8	12	5	13	5	17	7	7	3	6
Grant..........	403	21	19	9	31	50	64	54	44	38	39	18	16
Green..........	278	23	11	15	16	28	41	37	25	32	20	15	15
Green Lake.....	194	7	4	3	16	21	24	20	26	25	13	16	19
Iowa...........	175	4	3	4	20	8	25	22	18	27	17	13	14
Iron...........	38	2	2	2	1	3	10	3	4	4	3	1	3
Jackson........	148	3	11	7	19	12	12	13	13	20	19	12	7
Jefferson......	519	19	24	19	40	46	70	57	68	60	47	39	30
Juneau.........	199	9	5	10	21	18	26	15	19	27	21	14	14
Kenosha........	977	57	35	39	73	90	117	109	116	97	91	81	72
Kewaunee.......	163	4	7	6	13	19	23	18	14	25	14	12	8
La Crosse......	708	26	28	26	66	71	101	81	83	73	61	44	48
Lafayette......	135		6	7	8	13	25	10	16	18	13	8	11
Langlade.......	169	10	8	5	12	12	17	24	22	22	18	7	12
Lincoln........	262	13	15	11	14	35	28	26	32	33	26	13	16
Manitowoc......	685	22	23	31	48	55	73	88	86	87	75	52	45
Marathon.......	871	32	25	39	75	91	118	84	104	114	85	50	54
Marinette......	342	13	17	9	30	34	40	47	33	40	37	18	24
Marquette......	97	2	4	2	6	9	16	11	16	9	9	3	10
Menominee......	23	1	3		3	3	1	3	1	3	3	1	1
Milwaukee......	7,760	348	355	384	566	740	928	858	881	877	696	529	598
Monroe.........	268	13	9	9	22	16	39	26	28	39	30	20	17
Oconto.........	219	5	2	7	18	19	33	26	26	24	34	15	10
Oneida.........	279	11	8	19	23	28	42	37	31	28	25	12	15
Outagamie......	1,151	53	46	68	100	112	156	105	124	129	120	75	63
Ozaukee........	507	15	21	16	46	41	70	71	65	52	38	35	37
Pepin..........	73	2	1	2	6	5	11	10	5	11	11	6	3
Pierce.........	231	8	13	6	25	20	28	20	39	32	15	12	13
Polk...........	240	12	8	12	16	16	32	33	36	24	20	13	18
Portage........	379	19	11	11	21	44	48	35	40	54	36	25	35
Price..........	123	6	7	5	11	12	17	15	10	18	11	7	4
Racine.........	1,355	62	58	60	114	129	175	140	153	160	121	100	83
Richland.......	133	12	2	9	8	11	20	16	14	12	14	11	4
Rock...........	1,169	58	63	56	97	97	157	118	125	130	97	78	93
Rusk...........	127	7	2	5	10	11	27	13	16	16	10	2	8
St. Croix......	346	13	20	10	30	29	56	47	40	38	29	16	18
Sauk...........	382	16	17	23	31	38	50	35	43	48	33	25	23
Sawyer.........	99	1	2	5	8	11	14	10	17	11	9	6	5
Shawano........	318	8	10	9	24	32	40	37	34	49	40	13	22
Sheboygan......	802	33	30	30	64	75	110	105	90	94	79	52	40
Taylor.........	171	8	4	7	8	20	26	14	23	16	17	14	14
Trempealeau....	211	3	4	9	22	21	34	17	22	28	29	8	14
Vernon.........	212	3	11	7	20	15	37	21	26	24	18	19	11
Vilas..........	149	3	3	6	10	13	28	22	16	22	12	7	7
Walworth.......	555	33	22	22	38	47	70	64	74	67	52	36	30
Washburn.......	128	5	6	2	14	13	15	12	16	14	5	12	14
Washington.....	607	19	18	26	56	80	69	64	62	80	62	33	38
Waukesha.......	2,035	70	92	81	161	195	262	223	235	238	202	144	132
Waupaca........	385	17	18	21	27	38	45	48	42	45	32	20	32
Waushara.......	169	9	5	8	14	11	23	24	21	24	11	8	11
Winnebago......	1,107	38	52	58	77	103	134	113	142	130	112	71	77
Wood...........	605	23	13	21	50	58	78	58	84	75	63	35	47

Table 44b

DIVORCES, ANNULMENTS AND LEGAL SEPARATIONS GRANTED, BY COUNTY
Wisconsin, 1978

(Occurrence Data)

County	Divorces	Annulments	Legal Separations
State Total..	15,953	176	34
Adams........	28		
Ashland......	56		
Barron.......	106	2	
Bayfield.....	40		
Brown........	663	4	
Buffalo......	37	2	
Burnett......	47		
Calumet......	61	1	
Chippewa.....	153	3	1
Clark........	67	2	1
Columbia.....	133	2	5
Crawford.....	33	1	
Dane.........	1,461	16	6
Dodge........	188	2	
Door.........	64	1	
Douglas......	193	6	1
Dunn.........	77		
Eau Claire...	268	3	
Florence.....	14		
Fond du Lac..	231	7	
Forest.......	25		
Grant........	118		
Green........	104		
Green Lake...	50		
Iowa.........	25	1	
Iron.........	27	1	
Jackson......	56	1	
Jefferson....	192	1	1
Juneau.......	62		
*Kenosha......	462	8	1
Kewaunee.....	31	1	
La Crosse....	286	2	
Lafayette....	34		
Langlade.....	75		1
Lincoln......	79		
Manitowoc.....	213	4	1
Marathon......	308	5	
Marinette.....	116		
Marquette.....	32		
Menominee.....	2		
*Milwaukee.....	3,901	33	8
Monroe........	110	1	
Oconto........	76		
*Oneida........	83	2	
Outagamie.....	411	6	2
Ozaukee.......	199		
Pepin.........	15		
Pierce........	72	2	
Polk..........	102	3	
Portage.......	173		
Price.........	49	1	
Racine........	720	11	3
Richland......	64		
Rock..........	624	11	
Rusk..........	33	2	
St. Croix.....	132	2	
Sauk..........	143	1	
Sawyer........	43		
Shawano.......	105	1	1
Sheboygan.....	249	3	
Taylor........	39		
Trempealeau...	64		
Vernon........	69	1	
Vilas.........	48	2	
Walworth......	236	5	
Washburn......	45	2	
Washington....	246		
Waukesha......	763	4	
Waupaca........	111	3	
Waushara......	51		1
Winnebago.....	536	4	
Wood..........	224		1

*Totals for Kenosha, Milwaukee and Oneida are understated due to late filing of originals by the clerks of court with Vital Records.

Table 50

DIVORCES AND ANNULMENTS BY LEGAL GROUND FOR DECREE
Wisconsin, 1978

(Occurrence Data)

Legal Ground for Decree	
Total	16,129*
Adultery	17
Bigamy	22
Conviction of Crime	12
Cruelty	6,940
Desertion	38
Drunkenness	4
Fraud	32
Insanity	7
Nonsupport	6
Under Age	3
Other	27
**Irretrievable Breakdown	7,858
Voluntary Separation	1,145
Cases With 2 or More Grounds	
Adultery and Cruelty	4
Adultery and Desertion	1
Cruelty and Adultery	1
Cruelty and Desertion	3
Cruelty and Drunkenness	1
Desertion and Nonsupport	1

*Seven,unknown grounds for decree included in total.

**Effective February 1, 1978, the "No-fault Divorce" law was passed; chapter 105, Laws of 1977, Statute number 247.12 (2).

ERRATA: Page 18 Table 8

Change:	From:	To:
Suicide Deaths	382	582
Suicide Rate	8.2	12.4
Percent of Deaths	0.9	1.4

A PROFILE OF WISCONSIN

Selected Vital Statistics, 1978

Vital Event	Wisconsin	United States*
Population	4,683,000	218,228,000
Live Births	68,573	3,329,000
Rate per 1,000 population	14.6	15.3
Fetal Deaths	537	**
Rate per 1,000 deliveries	7.8	**
Infant Deaths	769	45,300
Rate per 1,000 live births	11.2	13.6
Maternal Deaths	8	**
Rate per 100,000 live births	11.6	**
Total Deaths	40,285	1,924,000
Rate per 1,000 population	8.6	8.8
Marriages	38,189	2,243,000
Rate per 1,000 population	8.2	10.3
Divorces and Annulments	16,129	1,122,000
Rate per 1,000 population	3.4	5.1
Cause-Specific Death Rates per 100,000 Population:		
Heart Disease	348.7	334.3
Cancer	176.9	181.9
Cerebrovascular disease (stroke)	79.8	80.5
Accidents	42.6	48.4
Influenza and Pneumonia	26.4	26.7
Diabetes Mellitus	15.8	15.5
Arteriosclerosis	15.7	13.3
Suicide	12.4 [redacted]	12.5

*Estimates

**Not available at time of publication.

POPULATION, BIRTHS, DEATHS, MARRIAGES, AND DIVORCES
WISCONSIN COUNTIES, 1978

County	Population	Births	Deaths	Marriages	Divorces
State Total......	4,683,000	68,573	40,285	38,189	15,953
Adams............	11,900	163	134	115	28
Ashland..........	16,900	268	193	164	56
Barron...........	37,700	593	406	408	106
Bayfield.........	13,200	175	160	130	40
Brown............	176,800	2,624	1,188	1,517	663
Buffalo..........	14,700	217	132	116	37
Burnett..........	11,400	154	143	101	47
Calumet..........	29,300	462	205	191	61
Chippewa.........	50,000	825	443	428	153
Clark............	32,400	536	362	284	67
Columbia.........	42,200	637	424	398	133
Crawford.........	16,400	246	156	119	33
Dane.............	319,100	4,183	1,943	2,520	1,461
Dodge............	73,900	1,107	705	607	188
Door.............	24,700	374	256	236	64
Douglas..........	44,100	657	502	404	193
Dunn.............	33,300	466	278	235	77
Eau Claire.......	75,600	1,062	598	676	268
Florence.........	3,900	36	48	19	14
Fond du Lac......	89,000	1,361	782	745	231
Forest...........	8,800	150	114	95	25
Grant............	50,900	791	492	403	118
Green............	29,300	428	314	278	104
Green Lake.......	17,600	248	227	194	50
Iowa.............	19,300	268	215	175	25
Iron.............	6,600	66	96	38	27
Jackson..........	16,900	273	202	148	56
Jefferson........	65,000	918	607	519	192
Juneau...........	20,000	333	220	199	62
Kenosha..........	124,200	1,711	964	977	462
Kewaunee.........	20,400	330	180	163	31
La Crosse........	91,700	1,250	799	708	286
Lafayette........	17,800	302	158	135	34
Langlade.........	19,900	308	239	169	75
Lincoln..........	25,900	367	264	262	79

County	Population	Births	Deaths	Marriages	Divorces
Manitowoc........	83,100	1,232	748	685	213
Marathon.........	108,700	1,707	834	871	308
Marinette........	39,300	599	465	342	116
Marquette........	11,100	154	157	97	32
Menominee........	3,300	96	33	23	2
Milwaukee........	985,500	14,555	9,088	7,760	3,901
Monroe...........	33,900	503	325	268	110
Oconto...........	28,400	460	290	219	76
Oneida...........	29,600	379	285	279	83
Outagamie........	129,400	2,070	844	1,151	411
Ozaukee..........	70,100	898	419	507	199
Pepin............	7,800	119	90	73	15
Pierce...........	30,300	452	204	231	72
Polk.............	31,300	496	343	240	102
Portage..........	55,600	926	378	379	173
Price............	15,600	218	214	123	49
Racine...........	177,700	2,697	1,387	1,355	720
Richland.........	16,800	274	181	133	64
Rock.............	134,200	2,109	1,174	1,169	624
Rusk.............	15,000	230	165	127	33
St. Croix........	41,200	739	324	346	132
Sauk.............	40,500	603	409	382	143
Sawyer...........	11,900	175	146	99	43
Shawano..........	35,500	516	401	318	105
Sheboygan........	100,800	1,406	906	802	249
Taylor...........	19,400	332	179	171	39
Trempealeau......	24,800	364	313	211	64
Vernon...........	25,400	336	278	212	69
Vilas............	15,100	172	198	149	48
Walworth.........	68,800	969	612	555	236
Washburn.........	13,100	180	153	128	45
Washington.......	83,900	1,342	563	607	246
Waukesha.........	283,100	3,596	1,646	2,035	763
Waupaca..........	42,400	683	569	385	111
Waushara.........	16,900	208	210	169	51
Winnebago........	132,000	1,754	1,080	1,107	536
Wood.............	70,800	1,134	525	605	224

DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH
BUREAU OF HEALTH STATISTICS

Deaths From Selected Causes by Age Group
Wisconsin, 1978

Cause of Death	Total Number	Age Group of Decedent									
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 & over
Total, All Causes..........	40,285*	768	161	258	945	729	835	2,340	5,315	9,289	19,641
Heart Disease..............	16,329	12	3	6	23	51	192	753	2,008	3,953	9,328
Cancer.....................	8,283	2	21	46	61	98	208	776	1,731	2,474	2,866
Cerebrovascular disease....	3,738	4	4	2	13	19	37	102	258	742	2,557
Accidents..................	1,995	15	67	126	565	285	129	149	159	155	345
Motor vehicle.........	990	3	23	52	407	167	69	65	67	60	77
Other accidents.......	1,005	12	44	74	158	118	60	84	92	95	268
Influenza and Pneumonia....	1,236	16	7	6	7	10	16	25	85	195	869
Other diseases of circulatory system....	969	1	1	1	7	8	15	45	112	266	513
Arteriosclerosis...........	735	-	-	-	-	-	-	2	22	79	632
Diabetes mellitus..........	739	-	-	1	1	14	14	42	101	188	378
Suicide....................	582	-	-	8	138	103	71	72	82	64	44
Cirrhosis of liver.........	482	1	-	-	1	12	32	97	168	114	57

Wisconsin resident data.

*Four, age unknown, included in total.